

# **MAY 1994**

# THE LABOUR FORCE QUEENSLAND





34.2

# THE LABOUR FORCE, QUEENSLAND, MAY 1994

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**INQUIRIES** 

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for information about other ABS statistics and services, telephone, fax or write to Information Inquiries, Australian Bureau of Statistics (ABS), GPO Box 9817, Brisbane Q 4001.

#### SUMMARY OF FINDINGS

## SEASONALLY ADJUSTED SERIES

In seasonally adjusted terms, employment in Queensland increased by 20,200 from February 1994 to May 1994, whilst the number of unemployed persons decreased by 11,800 to 144,000 over the same period, resulting in the unemployment rate falling from 9.9 per cent in February 1994 to 9.1 per cent in May 1994. The labour force participation rate was 63.9 per cent, 0.1 percentage point lower than in February 1994.

For Australia, in seasonally adjusted terms, employment increased by 43,300 and the number of unemployed persons decreased by 62,100 from February 1994 to May 1994.

TABLE 1 — LABOUR FORCE, QUEENSLAND (Seasonally adjusted series)

Particulars	Unit	May 1993	February 1994	March 1994	April 1994	May 1994	Annual percentage change
Employed	'000	1,362.0	1,409.8	1,410.9	1,407.2	1,430.0	+ 5.0
Unemployed	*000	155.9	155.8	154.2	150.0	144.0	- 7.6
Unemployment rate	%	10.3	9.9	9.8	9.6	9.1	
Participation rate	%	63.3	64.0	63.8	63.3	63.9	
Labour force	'000	1,518.0	1,565.6	1,565.1	1,557.2	1,574.0	+ 3.7

#### TREND SERIES

In Queensland, employment increased by 13,000 to 1,421,100 from February 1994 to May 1994 while the number of unemployed persons fell by 8,300 to 147,000 over the same period. In Australia, employment increased by 32,400 from February 1994 to May 1994 while the number of unemployed persons decreased by 41,100 over the same period.

DIAGRAM 1 - EMPLOYED PERSONS: MONTHLY PERCENTAGE CHANGE (Trend series)

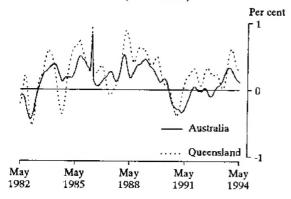
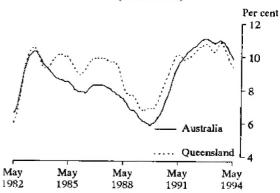


DIAGRAM 2 - UNEMPLOYMENT RATE (Trend series)



# **ORIGINAL SERIES**

In original terms, the number of employed persons in Queensland increased by 66,800 (4.9 per cent) from May 1993 to May 1994. The number of unemployed persons in Queensland decreased by 13,400 over the year from May 1993 to May 1994. Over the same period, the number of unemployed persons in Queensland looking for full-time work decreased by 21,500 persons to 117,500, a fall of 15.5 per cent. The number of persons looking for part-time employment increased by 8,100 to 29,500 persons over the year to May 1994. The median duration of unemployment fell from 23 weeks in May 1993 to 20 weeks in May 1994.

The finance, property and business services industry showed the largest percentage increase in the number employed, rising 22,100 (16.9 per cent) to 152,600. Over the same period, the communication industry also showed a significant increase in the number of employed persons (12.6 per cent).

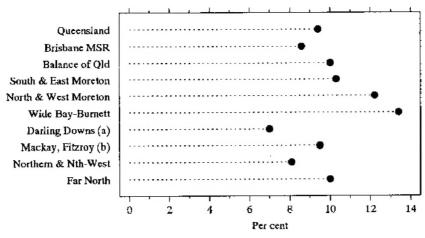
# Regional estimates

The unemployment rate for the Brisbane Major Statistical Region (MSR) in May 1994 was 8.6 per cent and for the Balance of Queensland 10.0 per cent. The North and West BSD Balance had the highest unemployment rate in the Brisbane MSR at 10.0 per cent while the Brisbane City Outer Ring had the lowest rate in the State with 6.5 per cent.

## SUMMARY OF FINDINGS - continued

For the Balance of Queensland the region with the highest unemployment rate was Wide Bay-Burnett with 13.4 per cent. North and West Moreton recorded a rate of 12.2 per cent followed by South and East Moreton with 10.3 per cent. The Darling Downs and South-West Statistical Region had the lowest unemployment rate of 7.0 per cent.

DIAGRAM 3 - UNEMPLOYMENT RATE: REGIONS OF QUEENSLAND MAY 1994



(a) Including South-West. (b) Including Central-West.

#### Youth estimates

The number of 15 to 19 year olds in the Queensland labour force increased by 7,600 to 144,300 persons over the year from May 1993 to May 1994 while the number employed increased by 8,100 to 112,600 persons. The unemployment rate for this group decreased from 23.5 per cent in May 1993 to 22.0 per cent in May 1994 and the participation rate rose from 56.8 per cent in May 1993 to 60.0 per cent in May 1994.

There were 185,400 employed 20 to 24 year olds in May 1994, an increase of 3,800 (2.1 per cent) over the previous 12 months. The participation rate of this age group fell from 83.3 per cent in May 1993 to 81.6 per cent in May 1994 and the unemployment rate decreased from 14.6 per cent to 13.6 per cent over the same period.

TABLE 2 — EMPLOYMENT AND UNEMPLOYMENT CHANGE FOR SELECTED GROUPS, QUEENSLAND

	Employe ('000)	ed	Annual	Unemploy ('000)	red	Annual percentage
Particulars	May 1993	May 1994	percentage — change	May 1993	May 1994	change
Males	783.2	824.2	+ 5.2	105.3	84.9	- 19.4
Females	573.2	599.0	+ 4.5	55.1	62.1	+ 12.7
Persons aged (years)						
15 – 19	104.5	112.6	+ 7.8	32.2	31.7	-1.6
20 – 24	181.6	185.4	+ 2.1	31.1	29.1	- 6.4
25 – 44	685.4	718.5	+ 4.8	68.6	56.7	- 17.3
45 and over	384.9	406.7	+ 5.7	28.5	29.4	+ 3.2
Full-time workers	1,030.8	1,077.9	+ 4.6			
Part-time workers	325.6	345.3	+ 6.1		**	
Looking for full-time work		**		139.0	117.5	- 15.5
Looking for part-time work	**		••	21.4	29.5	+ 37.9
Selected industries						2.2
Manufacturing	166.4	179.5	+ 7.9	17.2	12.7	- 26.2
Construction	119.1	129.7	+ 8.9	14.5	7.2	- 50.3
Wholesale and retail trade	303.5	313.6	+ 3.3	23.2	18.4	- 20.7
Community services	248.0	258.9	+ 4.4	5.1	7.2	+ 41.2
Recreation, personal and					44.5	. 22.2
other services	129.6	127.1	- 1.9	9.4	11.5	+ 22.3
Queensland	1,356.4	1,423.2	+ 4.9	160.4	147.0	- 8.4

TABLE 3 — LABOUR FORCE STATUS: ORIGINAL SERIES, QUEENSLAND

			Unemplo	yed			Civilian		
	Employ Full-time	ved Total	Looking for full- time work	Total	Labour force	Not in labour force	population aged 15 years and over	Unem- ployment rate	Partici pation rate
Month	'000	'000	'000	′000	'000	3000	'000	<del></del>	
				MALES		· ·			
1993 —									
March	704.0	787.5	96.3	104.5	892.0	288.2	1,180.1	- 11.7	75.6
April	704.2	781.7	96.1	104.4	886.2	296.9	1,183.1	11.8	74.9
May June	705.0	783.2	97.0	105.3	888.5	297.6	1,186.1	11.8	74.9
July	716.4 718.6	796.5 802.8	89.8 81.5	97.9 88.7	894.5 891.5	294.6	1,189.1	10.9	75.2
August	705.9	789.6	85.3	94.5	884.1	300.1 310.2	1,191.7 1,194.3	10.0	74.8
September	715.7	800.6	88.3	99.1	899.7	297.2	1,194.5	10.7 11.0	74.0 75.2
October	723.6	809.9	75.9	85.1	895.0	304.6	1,199.6	9.5	74.6
November	725.8	804.4	78.7	87.5	891.9	310.5	1,202.3	9.8	74.2
December	733.9	815.3	82.7	92.4	907.7	297.4	1,205.1	10.2	75.3
1994 —									
January	722.8	813.4	93.2	101.6	015.1	202.0	1.000.4		
February	719.8	809.5	90.6	99.9	915.1 909.4	293.0 301.6	1,208.1	11.1	75.7
March	721.8	811.8	83.1	96.6	908.5	305.6	1,211.1 1,214.1	11.9 10.6	75.1
April	723.2	811.2	83.7	94.0	905.2	311.7	1,217.0	10.4	74.8 74.4
May	734.3	824.2	75.6	84.9	909.1	310.8	1,219.8	9.3	74.5
				FEMALES				-	****
									-
March	341.1	580.1	46.3	67.7	647.0	550.2	1 306 1	****	
April	329.1	574.1	41.4	57.0	647.8 631.2	558.3 577.7	1,206.1	10.5	53.7
May	325.8	573.2	42.0	55.1	628.3	583.4	1,208.9 1,211.7	9.0	52.2
June	330.0	570.1	45.9	58.8	628.9	585.5	1,211.7	8.8 9.4	51.9
July	333.4	567.2	47.5	64.9	632.1	585.1	1,217.2	10.3	51.8 51.9
August	319.6	564.2	47.9	65.0	629.2	590.7	1,219.9	10.3	51.6
September	327.7	585.2	45.9	62.7	647.9	574.8	1,222.7	9.7	53.0
October	331.7	582.6	41.3	60.0	642.6	582.8	1,225.4	9.3	52.4
November December	331.7 355.2	579.1 602.3	51.5 47.7	67.0 66.3	646.1 668.5	581.9 562.2	1,228.0 1,230.7	10.4 9.9	52.6 54.3
1994 —							•		- 1.1
January	349.6	574.0	47.6	66.9	641.0	592.5	1,233.5	10.4	52.0
February	342.0	586.4	49.5	72.7	659.1	577.1	1,236.2	11.0	53.3
March	345.1	596.5	47.0	70.5	667.0	571.9	1,238.9	10.6	53.8
April May	339.0 343.6	592.3 599.0	44.4	64.8	657.1	584.6	1,241.7	9.9	52.9
	343.0	399.0	41.9	62.1 PERSONS	661.1	583.4	1,244.5	9.4	53.1
			·	EKSONS					
1993 March	1 1146 1	1 267 6	142.6	170.0	1.530.0	616			
Maica April	1,045.1 1,033.3	1,367.6 1,355.9	142.6	172.2	1,539.8	846.4	2,386.2	11.2	64.5
May	1,030.8	1,355.4	137.5 139.0	161.5 160.4	1,517.3	874.6	2,392.0	10.6	63.4
lune	1,046.4	1,366.7	135.7	156.7	1,516.8 1,523.4	881.0 880.1	2,397,7 2,403.5	10.6 10.3	63.3
luly	1,052.0	1,370.0	128.9	153.6	1,523.4 1,523.6	885.2	2,408.9	10.3	63.4 63.3
August	1,025.5	1.353.7	133.3	159.5	1,513.2	901.0	2,414.2	10.5	62.7
September	1.043.4	1,385.8	134.2	161.8	1.547.6	872.0	2,419.6	10.5	64.0
October	1,055.4 1,057.6	1,392.5	117.2	145.1	1,537.6	887.4	2,425.0	9.4	63.4
November December	1,057.6 1,089.2	1,383.5 1,417.5	130.2 130.4	154.5 158.7	1,538.0 1,576.2	892.4 859.6	2,430.4 2,435.8	10.0 10.1	63.3 64.7
1994 —									
anuary	1,072.4	1,387.4	140.7	168.6	1,556.0	885.5	2,441.5	10.8	63.7
ebruary	1,061.9	1,396.0	139.5	172.6	1,568.6	878.7	2,447.3	11.0	64.1
March	1,066.9	1,408.3	130.1	167.2	1,575.5	877.5	2,453.0	10.6	64.2
April	1,062.2	1,403.5	128.1	158.8	1,562.3	896.4	2,458.7	10.2	63.5
May	1,077.9	1,423.2	117.5	147.0	1,570.2	894.1	2,464.3	9.4	63.7

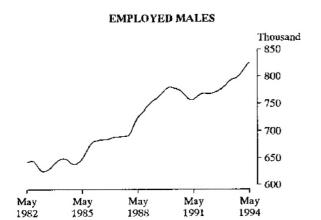
 ${\bf TABLE~4-LABOUR~FORCE~STATUS:~SEASONALLY~ADJUSTED~SERIES,~QUEENSLAND}$ 

	Employed	Unemployed	Labour force	Unemployment rate	Participation rate
Month	,000	'000	'000	%	%
		MALES			
1993 —	tan a	00.4	997.2	44.4	75.0
March	789.1 787.4	98.1 97.3	887.2 884.7	11.1 11.0	75.2 74.8
April May	792.2	97.3 99.0	891.3	11.1	75.1
May June	796.9	97.6	894.5	10.9	75.2
July	801.5	90.6	892.1	10.2	74.9
August	792.9	101.2	894.1	11.3	74.9
September	791.4	108.1	899.6	12.0	75.2
October	802.0	96.5	898.5	10.7	74.9
November	803.5	96.3	899.8	10.7	74.8
December	802.4	92.3	894.7	10.3	74.2
1994					
January	820.0	91.7	911.7	10.1	75.5
February	815.1	93.6	908.7	10.3	75.0
March	813.6	90.7	904.3	10.0	74.5
April May	817.1 834.3	87.6 - <b>7</b> 9.7	904.7 914.0 .	9.7 8.7	. 74.3 74.9
May	037.3	FEMALES	7170		7 11.5
		Limites			
1993 —					
March	580.8	60.9	641.7	9.5	53.2
April	572.1	54.9	626.9	8.8	51.9
May	569.8	56.9	626.7	9.1	51.7
June	567.6	61.3	629.0	9.7	51.8
July	568.9	66.3	635.2	10.4 10.8	52.2 52.1
August	567.2	68.9 63.8	636.2 639.6	10.0	52.3 52.3
September October	575.8 579.7	66.8.	646.5	10.3	52.8
November	575.7	74.4	650.1	11.4	52.9
December	596.0	63.8	659.8	9.7	53.6
1994 —					
January	590.0	66.4	656.3	10.1	53.2
February	594.8	62.1	656.9	9.5	53.1
March	597.4	63.4	660.8	9.6	53.3
April	590.1	62.5 64.3	652.5 660.0	9.6 9.7	52.6 53.0
May	595.7			2.1	
		PERSONS			
<del>1</del> 993					
March	1,369.9	159.0	1,528.9	10.4	64.1
April	1,359.5	152.2	1.511.6	10.1	63.2
May	1,362.0	155.9	1,518.0	10.3	63.3
June	1,364.6	158.9	1,523.5	10.4	63.4
July	1,370.4	156.8	1,527.3	10.3	63.4
August	1,360.2	170.2	1,530.3	11.1	63.4
September	1,367.2	172.0	1,539.2 1,545.0	11.2 10.6	63.6 63.7
October	1,381.7 1,379.2	163.3 170.7	1,545.0 1,549.9	11.0	63.8
November December	1,379.2 1,398.4	156.1	1,554.6	10.0	63.8
1994 —					
1994 — January	1,410.0	158.1	1,568.0	10.1	64.2
February	1,409.8	155.8	1,565.6	9.9	64.0
March	1,410.9	154.2	1,565.1	9.8	63.8
April	1,407.2	150.0	1,557.2	9.6	63.3
May	1,430.0	144.0	1,574.0	9.1	63.9

TABLE 5 -- LABOUR FORCE STATUS: TREND SERIES, QUEENSLAND

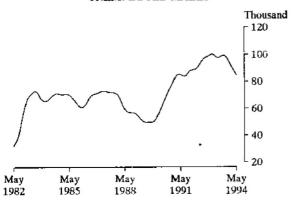
	Employed	Unemployed	Labour force	Unemployment rate	Participation rate
Month	'000	,000	'000	%	%
		MALES			
1993 —					-
March	787.5	99.1	886.7	11.2	75.1
April	790.5	98.0	888.5	11.0	75.1
May June	792.8	97.4	890.2	10.9	75.1
July	794.5 795.4	97.7	892.2	10.9	75.0
August	793.4 796.1	98.4 99.2	893.9 895.3	11.0	75.0
September	797.4	99.3	896.8	11.1 11.1	75.0
October	799.9	98.6	898.4	11.0	74.9 74.9
November	803.1	97.2	900.3	10.8	74.9
December	807.0	95.2	902.2	10.6	74.9
1994 —			-2-0		
January February	811.1	92.9	904.1	10.3	74.8
March	814.9 818.6	90.9 88.9	905.8 907.4	10.0	74.8
April	822.0	86.8	907.4	9.8 9.6	74.7
May	825.4	84.7	910.1	9.3	74.7 74.6
		FEMALES			
1993 —					
March	573.6	58.9	632.5	9.3	52.4
April	572.2	58.5	630.8	9.3	52.2
May	570.7	59.3	629.9	9.4	52.0
June	569.3	61.2	630.4	9.7	51.9
July August	569.0	63.7	632.7	10.1	52.0
September	570.5 573.6	66.0	636.5	10.4	52.2
October	• 578.3	67.7 68.3	641.3 646.6	10.6	52.4
November	583.3	67.8	651.1	10.6 10.4	52.8
December	587.8	66.8	654.5	10.2	53.0 53.2
1994 —					
January	591.1	65.5	656.6	10.0	53.2
February	593.2	64.4	657.6	9.8	53.2
March April	594.5	63.5	658.0	9.6	53.1
May	595.3 595.7	62.8 62.3	658,1 658.0	9.5 9.5	53.0 52.9
		PERSONS			34.7
1 <del>9</del> 93 —					
March	1,361.1	158.0	1 (10.2	10.4	
April	1,362.7	156.6	1,519.2 1,519.3	10.4 10.3	63.7
May	1,363.5	156.7	1,520.2	10.3	63.5 63.4
lune	1,363.7	158.8	1,522.6	10.4	63.3
luly	1,364.4	162.1	1,526.5	10.6	63.4
August	1,366.6	165.2	1,531.8	10.8	63.4
September October	1,371.0	167.0	1,538.1	10.9	63.6
October November	1,378.1	166.9	1,545.0	10.8	63.7
December	1,386,4 1,394.8	165.0 162.0	1,551.4 1,556.7	10.6 10.4	63.8 63.9
1994			,	20	05.3
lanuary	1,402.2	158.5	1,560.7	10.2	63.9
February	1,408.1	155.3	1,563,4	9,9	63.9
March	1,413.1	152.4	1,565.4	9.7	63.8
April	1,417.3	149.7	1,567.0	9.6	63.7
Мау	1,421.1	147.0	1,568.2	9.4	63.6

# DIAGRAM 4 - LABOUR FORCE STATUS: TREND SERIES, QUEENSLAND, MAY 1982 TO MAY 1994

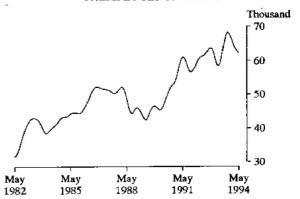


#### EMPLOYED FEMALES Thousand 600 550 500 450 400 350 300 May May 1985 May May May 1991 1994 1988 1982

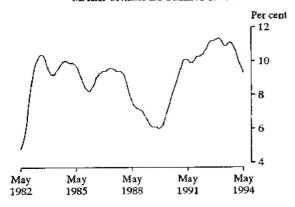
## UNEMPLOYED MALES



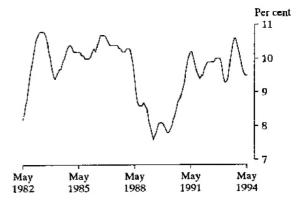
# UNEMPLOYED FEMALES



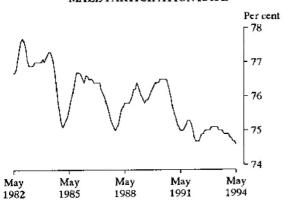
# MALE UNEMPLOYMENT RATE



# FEMALE UNEMPLOYMENT RATE



# MALE PARTICIPATION RATE



# FEMALE PARTICIPATION RATE

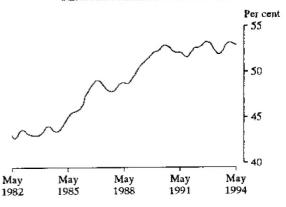


TABLE 6 - LABOUR FORCE STATUS: STATISTICAL REGIONS, QUEENSLAND, MARCH 1994

		Employed				Not in	Unem-	Partici
	Full-time	Part-time	Total	Unemployed	Labour force	labour force	ployment rate	patiot rati
Region	'000	'000	'900	'000	'000	.000	%	%
			MALES					
Brisbane	338.4	43.2	381.6	41.0	422.6	132.8	9.7	76.)
Brisbane City Inner Ring	77.1	15.6	92.7	12.3	105.0	42.8	11.7	71.1
Brisbane City Outer Ring	110.3	11.6	121.8	9.6	131.4	41.8	7.3	75.9
South and East BSD Balance	54.8	6.0	60.8	7.8	68.6	17.9	11.3	79.3
North and West BSD Balance	96.2	9.9	106.2	11.4	117.6	30.2	9.7	79.6
Balance of Queensland	383.4	46.9	430.3	55.6	485.9	172.8	11.4	73.8
South and East Moreton	66.0	8.2	74.2	10.0	84.2	33.3	11.9	71.7
North and West Moreton	50.0	10.2	60.2	9.0	69.3	30.6	13.1	69.4
Wide Bay-Burnett	43.0	5.5	48.6	8.2	56.8	23.1	14.4	71.1
Darling Downs and South-West	60.1	5.6	65.7	4,9	70.6	17.5	6.9	80.2
Mackay, Fitzroy and Central-West	66.6	5.7	72.3	9.4	81.7	35.7	11.6	69.6
Northern and North-West	45.8	4.4	50.3	7.0	57.3	19.0	12.3	75.1
Far North	51.8	7.3	59.1	7.0	66.0	13.7	10.5	82.8
Queenstand	721.8	90.0	811.8	96.6	908.5	305.6	10.6	74.8
			FEMALES					
Brisbane	178.2	114.2	292.4	30.4	322.8	258.0	9.4	55.6
Brisbane City Inner Ring	55.7	27.6	83.4	9.7	93.0	76.2	10.4	55.0
Brisbane City Outer Ring	55.4	37.9	93.3	6.3	99.6	75.1	6.3	57.0
South and East BSD Balance	28.3	17.6	45.9	6.2	52.2	38.0	11.9	57.8
North and West BSD Balance	38.7	31.1	69.9	8.2	78.1	68.8	10.5	53.2
Balance of Queensland	166.9	137.1	304.1	40.1	344.2	313.9	11.7	52.3
South and East Moreton	34.7	26.0	60.7	7.3	67.9	58.1	10.7	53.9
North and West Moreton	21.5	18.6	40.1	6.8	47.0	50.4	14.5	48.2
Wide Bay-Burnett	17.1	17.9	35.0	5.1	40.1	41.0	12.6	49.5
Darling Downs and South-West	23.6	23.0	46.5	3.8	50.4	38.5	7.6	56.7
Mackay, Fitzroy and Central-West	28.2	19.2	47.3	6.7	54.0	57.3	12.4	48.5
Northern and North-West	19.6	15.0	34.6	5.9	40.4	38.0	14.5	51.5
Far North	22.2	17.5	39.8	4.6	44.4	30.5	10.4	59.2
Queensland	345.1	251.4	596.5	70.5	667.0	571.9	10.6	53.8
·			PERSONS					
Brisbane	516.6	157.4	674.0	71.5	745.4	390.8	9.6	65.6
Brisbane City Inner Ring	132.9	43.2	176.1	21.9	198.0	118.9	11.1	62.5
Brisbane City Outer Ring	165.7	49.4	215.1	15.9	231.0	116.9	6.9	62.5 66.4
South and East BSD Balance	83.1	23.6	106.7	14.0	120.7	55.9	11.6	68.3
North and West BSD Balance	135.0	41.1	176.1	19.6	195,7	99.0	10.0	66.4
Balance of Queensland	550.3	184.0	734.3	95.7	830.1	486.7	11.5	63.0
South and East Moreton	100.7	34.1	134.9	17.3	152.2	91.4	11.4	62.5
North and West Moreton	71.5	28.8	100.3	15.9	116.2	81.0	13.7	58.9
Wide Bay-Burnett	60.2	23.5	83.6	13.3	96.9	64.1	13.7	60.2
Darling Downs and South-West	83.7	28.5	112.3	8.7	120.9	56.0	7.2	68.3
Mackay, Fitzroy and Central-West	94.8	24.8	119.6	16.1	135.7	93.0	11.9	59.3
Northern and North-West	65.5	19.4	84.8	12.9	97.7	57.0	13.2	63.2
Far North	74.0	24.8	98.8	11.6	110.4	44.2	10.5	71.4
rar North	74.0	25	., 0,0	11.0	110.7	7 4.40	10.5	, 1,4

TABLE 7 — LABOUR FORCE STATUS: STATISTICAL REGIONS, QUEENSLAND, APRIL 1994

		Employed			Labour	Not in labour	Unem-	Partici pation
	Full-time	Part-time	Total	Unemployed	force	force	ployment rate	rate
Region	'000	'000	'000	'000	°000	'000	%	%
			MALES		# # 1888		***	
Brisbane	336.2	41.0	377.2	39.5	416.7	140.0	9.5	74.8
Brisbane City Inner Ring	77.1	14.1	91.3	11.5	102.8	45.0	11.2	69.5
Brisbane City Outer Ring	108.9	11.9	120.8	9.3	130.1	48.3	7.1	72.9
South and East BSD Balance North and West BSD Balance	57.7 92.5	5.2 9.7	62.9 102.2	7.5 11.2	70.4 113.4	17.0 29.7	10.7 9.9	80.5 79.2
Balance of Queensland	387.0	47.1	434.0	54.4	<b>438</b> .5	171.7	11.1	74.0
South and East Moreton	67.8	9.4	77.2	11.6	88.8	33.5	13.1	72.6
North and West Moreton	50.4	7.8	58.2	8.6	66.8	27.7	12.9	70.7
Wide Bay-Burnett	40.1	5.1	45.3	8.7	53.9	24.6	16.1	68.7
Darling Downs and South-West	61.2	6.7	67.9	- 4.4	72.3 79.8	18.4 34.2	6.1 10.8	79.7 70.0
Mackay, Fitzroy and Central-West Northern and North-West	65.1 45.8	6.1 5.2	71.2 51.0	8.6 6.5	79.8 57.5	34.2 18.2	11.3	70.0 75.9
Northern and North-West Far North	56.6	6.7	63.3	6.0	69.3	15.2	8.6	82.0
Queensland	723.2	88.0	811.2	94.0	905.2	311.7	10.4	74.4
			FEMALES					
Brisbane	175.8	110.3	286.0	27.4	313.4	268.6	8.7	53.9
Brisbane City Inner Ring	52.3	28.7	80.9	8.5	89.4	78.1	9.5	53.4
Brisbane City Outer Ring	55.7	34.0	89.8	6.1	95.8	77.5	6.3	55.3
South and East BSD Balance	28.2	18.1	46.4	5.8	52.1	40.0	11.1	56.6
North and West BSD Balance	39.5	29.4	69.0	7.1	76.1	73.0	9.3	51.0
Balance of Queensland	163.3	143.0	306.2	37.4	343.6	316.0	10.9	52.1
South and East Moreton	35.2	25.8	61.1	7.0	68.1	58.7	10.3	53.7
North and West Moreton	20.9	17.8	38.7	5.2	43.9	50.3	11.8	46.6
Wide Bay-Burnett	16.7	18.0	34.7	5.2	39.9	42.3	13.0	48.6
Darling Downs and South-West	23.1	23.3	46.5	4.3	50.8	39.2	8.4 13.1	56.4 49.8
Mackay, Fitzroy and Central-West	26.4	22.7 16.9	49.1 34.7	7.4 4.2	56.5 39.0	56.9 37.5	10.8	51.0
Northern and North-West Far North	17.9 23.0	18.4	41.5	4.1	45.6	31.2	9.0	59.4
Queensland	339.0	253.2	592.3	64.8	657.1	584.6	9.9	52.9
			PERSONS					
Brisbane	512.0	151.3	663.2	66.9	730.2	408.6	9.2	64.1
Brisbane City Inner Ring	129.4	42.8	172.2	20.0	192.2	123.1	10.4	61.0
Brisbane City Outer Ring	164.6	46.0	210.6	15.3	226.0	125.8	6.8	64.2
South and Fast BSD Balance	85.9	23.4	109.3	13.3	122.6	57.0	10.9	68.3
North and West BSD Balance	132.0	39.1	171.2	18.3	189.4	102.7	9.7	64.8
Balance of Queensland	550.2	190.0	740.3	91.9	832.1	<b>4</b> 87.8	11.0	63.0
South and East Moreton	103.0	35.3	138.3	18.7	156.9	92.2	11.9	63.0
North and West Moreton	71.3	25.6	96.9	13.8	110.7	78.0	12.5	58.7 58.4
Wide Bay-Burnett	56.8	23.1	80.0	13.9 8.7	93.8 123.1	66.8 57.6	14.8 7.1	58.4 68.1
Darling Downs and South-West	84.3	30.1 28.8	114.4 120.3	16.0	136.3	91.0	11.8	60.0
Mackay, Fitzroy and Central-West Northern and North-West	91.5 63.6	22.1	85.7	10.7	96.4	55.7	11.1	63.4
Far North	79.7	25.1	104.8	10.1	114.8	46.4	8.8	71.2
	1,062.2	341.3	1,403.5	158.8	1,562.3	896.4	10.2	63.5

TABLE 8 — LABOUR FORCE STATUS: STATISTICAL REGIONS, QUEENSLAND, MAY 1994

		Employed				Not in	Unem-	Partici
	Full-time	Part-time	Total	Unemployed	Labour force	labour force	ployment rate	pation rate
Region	,000	'000	'000	'000	'000	3000	%	%
			MALES	_				
Brisbane	339.9	43.5	383.4	36.5	419.9	138.3	8.7	75.2
Brisbane City Inner Ring	77.7	13.2	90.9	10.3	101.2	47.7	10.2	68.0
Brisbane City Outer Ring	108.9	11.4	120.3	8.4	128.7	45.7	6.5	73.8
South and East BSD Balance	59.6	7.3	66.8	5.8	72.6	14.9	8.0	82.9
North and West BSD Balance	93.7	11.6	105.3	12.0	117.4	29.9	10.2	79.7
Balance of Queensland	394.5	46.4	440.8	48.4	489.2	172.5	9.9	73.9
South and East Moreton	69.6	8.6	78.3	8.5	86.8	34.0	9,8	71.9
North and West Moreton	52.1	9.0	61.1	8.5	69.6	28.1	12.2	71.2
Wide Bay-Burnett	41.9	5.8	47.7	7.9	55.6	24.6	14.2	69.3
Darling Downs and South-West Mackay, Fitzroy and Central-West	63.3 66.9	5.5 5.3	68.7 72.2	- 4.7	73.5	18.8	6.5	79.7
Northern and North-West	44.7	5.3 5.0	49.8	8.3 3.9	80.5 53.7	36.1 16.8	10.3 7.3	69.1 76.2
Far North	56.0	7.1	63.1	6.4	69.5	14.2	9.2	83.0
Queensiand	734.3	89.9	824.2	84.9	909.1	310.8	9.3	74.5
			FEMALES	_				
Brisbane	175.0	114.8	289.8	27.1	316.9	266.4	8.6	54.3
Brisbane City Inner Ring	51.6	27.9	79.5	. 6.6	86.1	79.8	7.6	51.9
Brisbane City Outer Ring	54.0	35.4	89.4	6.2	95.6	78.5	6.5	54.9
South and East BSD Balance	27.9	19.1	47.0	6.5	53.6	38.5	12.2	58.2
North and West BSD Balance	41.3	32.5	73.8	7.8	81.6	69.5	9.6	54.0
Balance of Queensland	168.6	140.6	309.2	35.0	344.2	317.0	10.2	52.1
South and East Moreton	34.1	28.5	62.6	7.6	70.2	59.0	10.8	54.4
North and West Moreton	22.8	17.6	40.4	5.6	46.0	48.3	12.1	48.8
Wide Bay-Burnett Darling Downs and South-West	16.6	17.5	34.1	4.8	38.9	44.3	12.3	46.8
Mackay, Fitzroy and Central-West	25.8 28.0	22.5 20.7	48.3 48.7	4.1 4.3	52.5 53.1	39.8	7.9	56.8
Northern and North-West	19.2	15.3	34.6	3.5	38.0	60.4 34.1	8.2 9.1	46.8 52.7
Far North	22.1	18.3	40.4	5.2	45.6	31.1	11.3	59.4
Queensland	343.6	255.4	599.0	62.1	661.1	583.4	9.4	53.1
			PERSONS				-	
Brisbane	514.8	158.3	673.1	63.6	736.7	404.6	8.6	64.5
Brisbane City Inner Ring	129.3	41.1	170.4	16.9	187.3	127.6	9.0	59.5
Brisbane City Outer Ring	162.9	46.8	209.7	14.6	224.3	124.2	6.5	64.4
South and East BSD Balance	87.5	26.3	113.9	12.3	126.2	53.5	9.8	70.2
North and West BSD Balance	135.1	44.1	179.2	19.8	199.0	99.4	10.0	66.7
Balance of Queensland	563. I	187.0	750.1	83.4	833.4	489.5	10.0	63.0
South and East Moreton	103.7	37.2	140.9	16.1	157.0	92.9	10.3	62.8
North and West Moreton	74.9	26.6	101.5	14.1	115.6	76.4	12.2	60.2
Wide Bay-Burnett Darling Downs and South-West	58.5 89.1	23.3 28.0	81.8 117.1	12.7 8.9	94.5	68.8	13.4	57.9
Mackay, Fitzroy and Central-West	94.9	26.0	120.9	12.7	126.0 133.6	58.6 96.5	7.0 9.5	68.3 58.1
Northern and North-West	64.0	20.4	84.3	7.4	91.7	50.9	9.5 8.1	58.1 64.3
Far North	78.0	25.5	103.5	11.6	115.1	45.3	10.0	71.7
Oncensland	1,077.9		1,423.2		1,570.2			

TABLE 9 -- LABOUR FORCE STATUS: AGE BY STATISTICAL REGION, QUEENSLAND, MAY 1994

	E9 LABOUR	Employed			Labour	Not in labour	Unem- ployment	Partici- pation
	Full-time	Part-time	Total	Unemployed	forc <b>e</b>	force	rate	rate
Age group (years)	'000	'000	'000	²000	'000	'000	%	%
		BR	ISBANE C	ITY INNER RINC	}			
15-24	24.8	18.7	43.5	9.8	53.3	23.1	18.4	69.8
15-19	3.8	9.6	13.4	4.0	17.4	14.2	23.0 16.1	55.0 80.3
20-24	21.1	9.1	30.2	5.8 5.6	36.0 93.2	8.8 20.7	6.0	81.8
25-44 45 and over	72.7 31.8	14.9 7.5	87.6 39.2	* 1.4	40.7	83.8	* 3.5	32.7
Total	129.3	41.1	170.4	16.9	187.3	127.6	9.0	59.5
		BR	ISBANE C	ITY OUTER RING	3			
15-24	28.0	15.2	43.2	6.8	50.0	22.5	13.6	69.0
15-19	5.0	9.0	14.0	2.8	16.8	14.4	16.8	53.8
20-24	23.0	6.2	29.2	4.0	33.2	8.0	12.0 4.7	80.5 77.8
25-44	82.0	18.1	100.1	5.0	105.0 69.2	30.0 71.7	4.7	49.1
45 and over	52.9	13.5	66.4	2.8				
Total	162.9	46.8	209.7	14.6	224.3	124.2	6.5	64.4
		200	IH AND BA	AST BSD BALAN	CE			
15-24	16.9	9.6	26.5	5.7	32.2	8.7	17.6	78.6
15-19	5.8	7.7	13.5	3.3 * 2.3	16.8 15.4	6.6 * 2.1	19.9 * 15.0	71.8 87.8
20-24	11.1 46.0	* 2.0 11.3	13.0 57.3	4.5	61.8	16.3	7.3	79.1
25-44 45 and over	24.6	5.4	30.0	* 2.2	32.2	28.4	* 6.7	53.1
Total	87.5	26.3	113.9	12.3	126.2	53.5	9.8	70.2
	· · · · · ·	NOR'	IH AND W	EST BSD BALAN	NCE			
15-24	24.3	13.3	37.6	6.4	44.0	14.7	14.6	75.0
15-19	7.5	8.0	15.5	3.0	18.5	9.9	16.2	65.1 84.3
20-24	16.7	5.4	22.1	3.4	25.5 99.8	4.8 22.3	13.4 8.2	81.7
25-44 45 and over	73.5 37.3	18.1 12.7	91.7 49.9	8.2 5.2	55.2	62.4	9.5	46.9
Total	135.1	44.1	179.2	19.8	199.0	99.4	10.0	66.7
10141	100-1			STATISTICAL R	EGION			
-	044	56.9	150.9	28.7	179.5	68.9	16.0	72.3
15-24	94.0 22.1	34.2	56.4	13.2	69.5	45.2	18.9	60.6
15-19 20-24	71.9	22.6	94.5	15.5	110.0	23.7	14.1	82.3
25-44	274.2	62.4	336.7	23.3	359.9	89.4	6.5	80.1
45 and over	146.6	39.0	185.6	11.7	197.2	246.4	5.9	44.5
Total	514.8	158.3	673.1		736.7	404.6	8.6	64.5
	<u> </u>	SO	UIH AND	EAST MORETO	N		<u> </u>	
15-24	20.0	8.7	28.7		33.2	11.3 7.0	13.7 * 11.8	74.7 59.9
15-19	3.9	5.3 3.3	9.2 19.4		10.5 22.8	4.3	14.6	84.2
20-24 25-44	16.1 48.9	17.7	66.6		73.7	14.5	9.6	83.5
45 and over	34.8	10.8	45.6		50.1	67.1	9,0	42.7
Total	103.7	37.2	140.9	16.1	157.0	92.9	10.3	62.8
		NC	ORTH AND	WEST MORETO	N			
15-24	12.9	5.6	18.5		24.3	8.8	23.6 32.2	73.3 60.6
15-19	3.0	3.6	6,6		9.7 14.5	6.3 + 2.5	* <b>1</b> 7.9	85.4
20-24	10.0 42.0	* 2.0 14.5	11.9 56.5		62.0	16.4	8.9	79.1
25-44 45 and over	20.0	6.5	26.4		29.3	51.2	9.7	36.4
Total	74.9	26.6	101.5	14.1	115.6	76.4	12.2	60.2
			WIDE B.	AY-BURNETT				
15-24	9.8	5.8	15.6		18.7	7.0	16.7	72.7 63.7
15-19	3.1	4.3	7.3		9.6 9.1	5.5 * 1.6	* 23.7 * 9.4	63.7 85.3
20-24	6.8	* 1.5 10.4	8.2 38.3		43.3	13.3	11.5	76.5
25-44 45 and over	27.9 20.8	7.2	27.9		32.5	48.5	14.0	40.1
Total	58.5	23.3	81.8	12.7	94.5	68.8	13.4	57.9
1 VIGI	200						-	

TABLE 9 — LABOUR FORCE STATUS: AGE BY STATISTICAL REGION, QUEENSLAND, MAY 1994—continued

		Employed			Labour	Not in labour	Unem-	Partici
	Full-time	Part-time	Total	Unemployed	force	force	ployment rate	patios rate
Age group (years)	,000	'000	'000	2000	'000	'000	%	%
		DARL	ING DOWN	S AND SOUTH-	WEST			
15-24	17.4	6.5	24.0	3.5	27.4	13.0	12.7	67.8
15-19 20-24	5.5	4.7	10.3	<b>+</b> 2.3	12.6	8.4	* 18.4	59.8
25-44	11.9 41.9	* 1.8	13.7	* 1.2	14.9	4.6	• 7.9	76.4
45 and over	29.7	13.0 8.5	54.9 38.2	4.7 * 0.7	59.7 38.9	12.8 32.7	7.9 • 1.7	82.3 54.3
Total	89.1	28.0	117.1	8.9	126.0	58.6	7.0	68.3
		MACKA	Y, FITZROY	AND CENTRAL	L-WEST	<del></del> -		
15-24	14.6	7.1	21.0					
15-19	3.6	5.4	21.8 9.0	6.1 3.7	27.8	18.2	21.8	60.5
20-24	11.0	* 1.8	12.8	* 2.4	12.7 15.2	12.5 5.7	29.3	50.2
25-44	53.1	12.6	65.7	4.7	70.5	22.3	* 15.5 6.7	72.8 75.9
45 and over	27.2	6.3	33.5	* 1.9	35.3	55.9	* 5.3	38.7
Total	94.9	26.0	120.9	12.7	133.6	96.5	9.5	58.1
		NO	RTHERN AI	NORTH-WES	ST			
15-24	12.8	7.7	20.5	3.5	24.0	70.2	14.5	
15-19	* 2.3	4.6	6.9	* 2.0	8.9	10.3 5.7	* 22.8	70.0
20-24	10.4	3.2	13.6	* 1.4	15.1	4.6	* 9.6	61.1 76.6
25-44	31.2	8.7	39.9	+ 2.4	42.2	10.6	* 5.6	79.9
45 and over	20.0	3.9	23.9	* 1.6	25.5	30.1	* 6.1	45.9
Total	64.0	20.4	84.3	7.4	91.7	50.9	8.1	64.3
		•	FAR	NORTH	·			
15-24	12.4	5.7	18.1	5.8	23.8	7.0	24.2	77.4
15-19	3.8	* 3.2	6.9	3.9	10.8	5.4	35.8	66.6
20-24	8.6	* 2.6	11.1	• 1.9	13.0	* 1.6	* 14.5	89.3
25-44	46.2	13.7	59.9	4.1	64.0	12.4	6.4	83.7
45 and over	19.5	6.1	25.5	* 1.7	27.3	26.0	• 6.4	51.3
Total	78.0	25.5	103.5	11.6	115.1	45.3	10.0	71.7
	<u> </u>	Вл	ALANCE OF	QUEENSLAND				
15-24	99.9	47.2	147.1	32.2	179.3	75.6	18.0	70.3
15-19	25.1	31.1	56.2	18.6	74.8	50.9	24.8	59.5
20-24	74.8	16.1	90.9	13.6	104.5	24.7	13.0	80.9
25-44 45 and man	291.2	90.6	381.8	33.5	415.3	102.4	8.1	80.2
45 and over	172.0	49.1	221.1	17.7	238.9	311.5	7.4	43.4
l'otal	563.1	187.0	750.1	83.4	833.4	489.5	10.0	63.0
			QUEEN	ISLAND				
15-24	193.9	104.0	298.0	60.9	358.8	144.5	17.0	71.3
15-19	47.3	65.3	112.6	31.7	144.3	96.1	22.0	60.0
20-24	146.7	38.7	185.4	29.1	214.5	48.5	13.6	81.6
25-44 85 and over	565.4 319.5	153.1	718.5	56.7	775.2	191.7	7.3	80.2
	318.5	88.1	406.7	29.4	436.1	557.8	6.7	43.9
l'otal	1,077.9	345.3	1,423.2	147.0	1,570.2	894.1	9.4	63.7

TABLE 10 — LABOUR FORCE STATUS: PERSONS AGED 15 TO 19 YEARS BY FULL-TIME ATTENDANCE AT AN EDUCATIONAL INSTITUTION, QUEENSLAND, MAY 1994

		Employed			Labour	Not in labour	Civilian population ayed 15 to 19	Unem- playment	Partici- pation
	Full-time	Part-time	Total	Unemployed	force	force	years	rate	rate
Sex	'000	'000	'000	'000	'000	2000	'000	%	%
	ATTENDING	3 NEITHER SCH	HOOL NO	R A TERTIARY	EDUCATIONA	AL INSTITU	TION FULL-T	IME	
Males	30.2	6.5	36.7	9.9	46.6	3.8	50.4	21.2	92.4
Females	16.6	9.9	26.5	7.0	33.5	5.2	38.7	20.8	86.5
Persons	46.8	16.4	63.2	16.9	80.1	9.0	89.1	21.1	89.9
		ATTENDING A	TERTIA	RY EDUCATION	AL INSTITUT	ION FULL	ТІМЕ		
Males	÷ 0.4	7.7	8.2	* 1.7	9.9	10.9	20.8	* 17.4	47.5
Females	* 0.0	9.7	9.7	* 3.0	12.7	13.1	25.8	* 23.9	49.2
Persons	* 0.4	17.4	17.9	4.7	22.6	24.1	46.7	21.0	48.4
				ATTENDING SC	HOOL				
Males	• 0.0	12.7	12.7	4.3	17.0	34.9	51.8	25.1	32.8
Females	+ 0.0	18.8	18.8	5.9	24.6	28.1	52.8	23.8	46.7
Persons	* 0.0	31.5	31.5	10.1	41.6	63.0	104.6	24.3	39.8
				TOTAL		**			
Males	30.7	26.9	57.6	15.9	73.5	49.6	123.1	21.6	59.7
Females	16.6	38.4	55.0	15.9	70.8	46.5	117.3	22.4	60.4
Persons	47.3	65.3	112.6	31.7	144.3	96.1	240.4	22.0	60.0

TABLE 11 — LABOUR FORCE STATUS: PERSONS AGED 20 TO 24 YEARS BY FULL-TIME ATTENDANCE AT A TERTIARY INSTITUTION, QUEENSLAND, MAY 1994

		Employed			Labour	Not in labour	Civilian population aged 20 to 24	Unem- ployment	Partici pation
	Full-time	Part-time	Total	Unemployed	force	force	years	rate	rate
Sex	'000	1000	'000	²000	'000	'000	'000	%	%
	Ne	OT ATTENDING	3 A TERTI	ARY EDUCATION	DNAL INSTIT	UTION FUI	L-TIME		
Males	81.3	8.4	89.7	15.7	105.4	6.3	111.7	14.9	94.3
Females	63.6	16.3	79.9	10.2	90.2	21.4	111.6	11.4	80.8
Persons	145.0	24.7	169.6	25.9	195.6	27.8	223.3	13.3	87.6
		ATTENDING A	TERTIA	RY EDUCATION	IAL INSTITUI	ION FULL	ТІМЕ		
Males	* 0.7	6.0	6.8	* 2.3	9.1	11.8	20.9	* 25.3	43.5
Females	* 1.0	8.0	9.0	* 0.9	9.9	8.9	18.8	* 9.0	52.6
Persons	* 1.7	14.1	15.8	* 3.2	19.0	20.7	39.7	* 16.8	47.8
				TOTAL					
Males	82.1	14.4	96.5	18.0	114.5	18.1	132.6	15.7	86.3
Females	64.6	24.3	89.0	11.1	100.1	30.4	130.5	11.1	76.7
Persons	146.7	38.7	185.4	29.1	214.5	48.5	263.0	13.6	81.6

TABLE 12 — EMPLOYED PERSONS: FULL-TIME OR PART-TIME STATUS, QUEENSLAND

	Males		Mar	ried	Not m	arried	Tota	ī	Persons	
Month	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-tim
					<b>'000</b> '				.,	
1993 —										
March	704.0	83.5	202.1	159.0	139.0	80.0	341.1	238.9	1.045.1	322.4
April	704.2	77.6	189.8	166.0	139.3	79.0	329.1	245.0	1,033.3	322.6
May	705.0	78.2	194.6	165.3	131.1	82.1	325.8	247.4	1,030.8	325.0
June	716.4	80.1	196.1	161.4	133.8	78.7	330.0	240.2	1,046.4	320.3
July	718.6	84.2	197.9	162.8	135.6	71.0	333.4	233.7	1,052.0	318.0
August	705.9	83.6	190.1	166.1	129.5	78.5	319.6	244.6	1,032.0	328.2
September	715.7	85.0	194.1	172.0	133.7	85.4	327.7	257.4	1,043.4	342.4 342.4
October	723.6	86.3	196.0	163.8	135.7	87.1	331.7	250.8	1,055.4	342.4
November	725.8	78.6	193.5	166.1	138.3	81.3	331.7	247.4		
December	733.9	81.4	199.2	160.6	156.0	86.4	355.2	247.4	1,057.6 1,089.2	326.0 328.4
		_		4	20010		303.2	247.0	1,009.2	,720,4
1994						•				
January	722.8	90.7	196.5	146.2	153.1	78.2	349.6	224.4	1.072.4	315.1
February	719.8	89.7	190.2	162.6	151.8	81.8	342.0	244.4	1,061.9	334.1
March	721.8	90.0	193.2	166.9	151.9	84.5	345.1	251.4	1,066.9	341.4
April	723.2	88.0	190.3	169.3	148.7	83.9	339.0	253.2	1,062.2	341.3
May	734.3	89.9	194.3	169.1	149.3	86.3	343.6	255.4	1,077.9	345.3
				PE	R CENT (a)	)				
1993 —							,	•		
March	89,4	10.6	56.0	44.0	63.5	36.5	58.8	41.7	24.	
April	90.1		- 53.3	46.7	63.8	- 36.2	57.3	41.2 42.7	76.4	23.6
May	90.0	10.0	54.1	45.9	61.5	38.5	56.8		76.2	23.8
June	89.9	10.1	54.9	45.1	63.0	37.0	57.9	43.2 42.1	76.0	24.0
July	89.5	10.5	54.9	45.1	65.6	34.4	58.8		76.6	23.4
August	89.4	10.6	53.4	46.6	62.3	37.7	56.6	41.2 43.4	76.8	23.2
September	89.4	10.6	53.0	47.0	61.0	39.0			75.8	24.2
October	89.3	10.7	54.5	45.5	60.9	39.0	56.0	44.0	75.3	24.7
November	90.2	9.8	53.8	45.5 46.2	63.0	39.1 37.0	56.9	43.1	75.8	24.2
December	90.0	10.0	55.4	44.6	64.4	35.6	57.3 59.0	42.7 41.0	76.4 76.8	23.6 23.2
1994 —										
January	88.9	11.1	57.3	42.7	66.0	22.0	co.e	20.4	***	
February	88.9	11.1	57.3 53.9	42.7	66.2	33.8	60.9	39.1	77.3	22.7
March	88.9			46.1	65.0	35.0	58.3	41.7	76.1	23.9
viaren April	88.9 89.1	11.1 10.9	53.7	46.3	64.3	35.7	57.9	42.1	75.8	24.2
•	89.1 89.1		52.9	47.1	63.9	36.1	57.2	42.8	75.7	24.3
May	89.1	10.9	53.5	46.5	63.4	36.6	57.4	42.6	75.7	24.3

<sup>(</sup>a) Full-time and part-time as a proportion of employed persons in each category,

TABLE 13 — EMPLOYED PERSONS: AVERAGE HOURS WORKED BY STATUS OF WORKER, INDUSTRY AND OCCUPATION, QUEENSLAND, MAY 1994

			Females		
Status of worker, industry division and occupation group	Males	Married	Not married	Total	Person
Status of worker					
Employers	50.5	32.7	* 47.6	33.4	44.6
Self-employed	44.6	28.5	32.7	29.3	39.7
Wage and salary earners	37.3	27.7	28.3	28.0	33.2
Unpaid family helpers	18.1	17.5	10.4	14.6	15.8
Industry division					
Agriculture, forestry, fishing and hunting	48.8	30.5	33.0	31.1	43.3
Mining	43.1	* 37.2	* 39.4	38.0	42.5
Manufacturing	38.0	29.9	30.2	30.0	36.1
Electricity, gas and water	31.5	* 32.5	* 33.6	* 33.2	31.6
Construction	38.9	20.2	27.7	21.4	36.3
Wholesale and retail trade	39.2	28.6	22.0	25.7	32.6
Wholesale trade	41.9	27.8	31.0	28.8	37.6
Retail trade	37.7	28.8	20.6	25.0	30.8
Transport and storage	40.6	27.7	32.5	29.7	38.2
Communication	33.8	32.2	30.0	31.1	32.9
Finance, property and business services	39.1	27.2	33.5	29.7	34.5
Public administration and defence	32.5	27.0	28.6	27.7	30.9
Community services	37.5	27.7	31.8	29.1	32.1
Recreation, personal and other services	37.8	28.7	27.4	28.0	32.3
Occupation group					
Managers and administrators	51.3	37.6	43.5	38.9	48.5
Professionals	40.8	30.7	31.9	31.1	36.4
Para-professionals	37.8	29.9	31.3	30.4	34.5
Tradespersons	38.3	35.6	34.1	35.0	38.0
Clerks	34.7	26.0	31.8	28.0	29.6
Salespersons and personal service workers	37.5	28.0	23.2	25.7	29.1
Plant and machine operators and drivers	39.2	28.4	32.6	30.1	38.0
Labourers and related workers	32.2	22.3	25.0	23.4	29.1
Full-time workers	41.9	38.4	36.3	37.5	40.5
Part-time workers	15.1	16.1	14.5	15.5	15.4
Total	39.0	28.0	28.3	28.1	34.4

DIAGRAM 5 - EMPLOYED FEMALES AS A PROPORTION OF TOTAL EMPLOYED BY SELECTED INDUSTRY DIVISION, QUEENSLAND

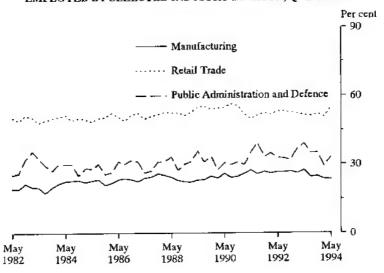


TABLE 14 — EMPLOYED PERSONS: STATUS OF WORKER, INDUSTRY AND OCCUPATION, QUEENSLAND, MAY 1994  $(^{9}000)$ 

Particulars	Males	Married	Not married	Total	Persons
Status of worker					
Employers	53.6	26.9	*1.3	28.2	81.8
Self-employed	110.2	43.0	9.6	52.6	162.8
Wage and salary earners	655.4	287.8	220.8	508.6	1.163.9
Unpaid family helpers	5.0	5.7	3.9	9.6	14.6
Industry division					
Agriculture, forestry, fishing and hunting	57.1	20.1	5.7	25.8	82.9
Mining	15.0	* 1.4	* 0.9	* 2.3	17.3
Manufacturing	137.3	26.7	15.6	42.2	179.5
Electricity, gas and water	12.7	* 0.5	* 0.9	* 1.3	14.0
Construction	110.6	16.1	* 3.0	19.1	129.7
Wholesale and retail trade	160.2	86.7	66.7	153.5	313.6
Wholesale trade	56.0	18.5	8.8	27.2	83.2
Retail trade	104.2	68.2	58.0	126.2	230.4
Transport and storage	58.1	9.6	6.8	16.4	74.5
Communication	12.7	*-2.9	* 3.2	6.1	18.8
Finance, property and business services	77.0	45.0	30.6	75.6	152.6
Public administration and defence	36.2	10.3	7.8	18.0	54.2
Community services	92.0	109.6	57.3	166.9	258.9
Recreation, personal and other services	55.4	34.6	37.0	71.7	127.1
Occupation group					
Managers and administrators	112.7	26.0	7.2	33.2	145.9
Professionals	88.7	45.4	27.0	72.4	161.1
Para-professionals	40.5	21.6	11.8	33.5	73.9
Tradespersons	203.4	12.2	9.2	21.4	224.8
Clerks	51.3	110.5	60.9	171.4	222.7
Salespersons and personal service workers	85.5	89.3	80.5	169.8	255.3
Plant and machine operators and drivers	88.7	7.3	5.0	12.3	101.0
Labourers and related workers	153.4	50.9	34.1	85.1	238.5
Total	824.2	363.4	235.6	599.0	1,423.2

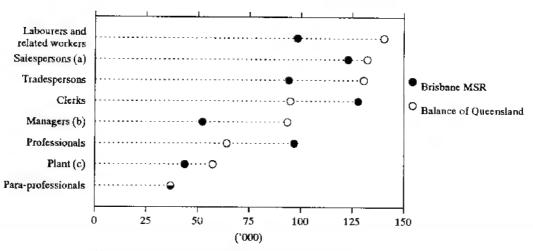
TABLE 15 — EMPLOYED PERSONS: INDUSTRY BY OCCUPATION, QUEENSLAND, MAY 1994 ('000)

	Occupation group									
Industry division		Profess- ionals	*	Trades- persons	Clerks	Salesper- sons and personal service workers	Plant and machine operators and drivers	Labourers and related workers	Total	
Agriculture, forestry, fishing and hunting	50.4	* 0.2	* 1.5	* 2.1	* 1.5	• 0.4	• 2.3	24.5	82.9	
Mining	* 0.5	* 1.8	• 0.6	* 3.3	* 2.7	* 0.2	6.4	* 2.0	17.3	
Manufacturing	13.6	6.6	* 3.2	61.7	20.4	9.1	25.4	39.6	179.5	
Electricity, gas and water	* 0.6	* 1.5	* 2.5	4.1	* 1.7	* 0.2	* 1.7	* 1.7	14.0	
Construction	10.8	* 1.0	3.5	62.0	15.9	* 0.9	11.2	24.4	129.7	
Wholesale and retail trade	32.1	5.2	3.8	44.4	35.4	137.3	12.7	42.7	313.6	
Transport and storage	3.9	* 1.8	* 2.0	4.9	12.3	7.8	28.6	13.2	74.5	
Communication	* 1.3	* 0.7	* 0.6	5.3	9.4	* 0.4	* 0.4	* 0.7	18.8	
Finance, property and business services	7.3	28.5	5.2	* 3.3	49.7	38.9	• 0.6	19.0	152.6	
Public administration and defence	• 2.0	9.8	5.1	* 2.1	22.6	* 0.4	5.0	7.3	54.2	
Community services	8.1	94.2	42.3	7.0	43.4	22.8	5.4	35.6	258.9	
Recreation, personal and other services	15.4	9.8	3.7	24.5	7.7	36.8	* 1.3	27.8	127.1	
Total	145.9	161.1	73.9	224.8	222.7	255.3	101.0	238.5	1,423.2	

TABLE 16 -- EMPLOYED PERSONS: STATUS OF WORKER, INDUSTRY AND OCCUPATION BY STATISTICAL REGION, QUEENSLAND, MAY 1994 (900°)

			Brishane		
Particulars	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East BSD Balance	North and West BSD Balance	Tota
Status of worker					
Wage and salary earners	147.6	188.7	95.1	149.2	580.6
Others	22.7	21.0	18.8	30.0	92.5
Industry division					
Agriculture, forestry, fishing					
and hunting	• 0.0	* 1.0	* 2.4	3.6	7.0
Mining	* 1.3	* 1.1	* 1.0	+ 1.7	5.0
Manufacturing	19.3	29.8	17.3	32.0	98.4
Electricity, gas and water	* 1.5	2.5	* 0.7	* 1.0	5.7
Construction	7.6	14.7	13.2	18.6	54.1
Wholesale and retail trade	35.3	42.9	29.4	44.7	152.3
Wholesale trade	10.6	16.6	8.8	9.6	45.7
Retail trade	24.7	26.3	20.6	35.1	106.6
Transport and storage	8.0	11.2	8.3	9.2	36.6
Communication	* 1.8	4.6	* 2.3	+ 1.9	10.6
Finance, property and					20.0
business services	25.1	31.8	13.9	17.4	88.1
Public administration and					00.1
defence	10.2	11.7	2.9	6.6	31.4
Community services	41.5	45.5	15.4	29.8	132.2
Recreation, personal and				2.70	11/2/2
other services	18.9	12.9	7.2	12.7	51.6
Occupation group					
Managers and administrators	13.7	18.0	7.7	12.8	52.3
Professionals	. 38.7	33.5	8.4	16.1	96.8
Para-professionals	11.1	11.4	5.2	9.5	37.2
Tradespersons	15.1	25.5	20.1	33.5	94.2
Clerks	31.5	44.8	21.2	30.3	127.8
Salespersons and personal					
service workers	34.2	35.9	19.7	33.2	123.0
Plant and machine operators					
and drivers	6.2	12.1	9.5	15.9	43.7
Labourers and related workers	19.8	28.4	22.1	27.9	98.2
Total	170.4	209.7	113.9	179.2	673.1

DIAGRAM 6 - EMPLOYMENT BY OCCUPATION BY BRISBANE MSR AND BALANCE OF QUEENSLAND, MAY 1994



(a) Including personal service workers. (b) Including administrators. (c) Including machine operators and drivers.

TABLE 16 — EMPLOYED PERSONS: STATUS OF WORKER, INDUSTRY AND OCCUPATION BY STATISTICAL REGION, QUEENSLAND, MAY 1994—continued (2000)

	1 1120			Balance of	Queensland				Queensland
Particulars	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs and South-West	Mackay, Fitzroy and Central-West	Northern and North-West	Far North	Total	
Status of worker									
Wage and salary earners	112.5	71.8	60.3	86.2	101.9	70.2	80.5	583.3	1,163.9
Others	28.3	29.7	21.5	30.9	19.1	14.1	23.0	166.7	259.2
Industry division									
Agriculture, forestry, fishing									
and hunting	3.0	11.9	11.7	25.6	6.3	7.6	9.8	75.9	82.9
Mining	• 0.9	+ 0.7	* 0.4	* 0.2	4.3	4.0	* 1.7	12.3	17.3
Manufacturing	10.7	14.1	8.9	13.8	15.6	9.8	8.2	81.1	179.5
Electricity, gas and water	* 0.9	* 0.8	* 0.8	* 0.2	3.3	* 1.4	* ().9	8.3	14.0
Construction	17.7	12.9	8.1	7.4	12.7	6.8	9.9	75.6	129.7
Wholesale and retail trade	32.9	20.3	20.4	23.2	26.7	17.8	20.0	161.4	313.6
Wholesale trade	5.2	4.1	5.8	6.9	6.6	5.5	3.4	37.5	83.2
Retail trade	27.8	16.2	14.6	16.3	20.1	12.3	16.6	123.8	230.4
Transport and storage	5.1	3.5	* 2.1	7.σ	8.8	4.6	6.7	37.8	. 74.5
Communication	* 1.3	* 1.3	* 1.0	* 1.1	* 1.3	• 1.1	* 1.1	8.2	18.8
Finance, property and									
business services	20.2	9.8	6.2	5.6	9.8	5.6	7.2	64.4	152.6
Public administration and									
defence	2.8	* 2.0	* 2.2	4.5	3.8	* 2.2	5.4	22.9	54.2
Community services	20.2		13.8	22.8	19.6	15.4	18.7	126.7	258.9
Recreation, personal and	20.2	10.1	,						
other services	25.2	8.0	6.0	5.7	8.7	7.9	14.0	75.5	127.1
Occupation group									
Managers and administrators	12.5	14.7	12.8	21.2	11.9	8.6	11.9	93.6	145.9
Professionals	13.5	8.9	5.4	9.6	_	7.8	8.7	64.2	161.1
Para-professionals	5.1	5.0	6.8	4.7		4.3	4.7	36.8	73.9
Tradespersons	25.1	19.0	11.7	15.2	24.0	17.7	17.9	130.6	224.8
Clerks	19.7	12.8	9.4	14.8	15.2	11.1	11.9	94.9	222.7
Salespersons and personal									
service workers	32.6	16.9	15.1	16.6	21.2	11.5	18.4	132.3	255.3
Plant and machine operators									
and drivers	9.1	6.6	5.6	8.0	11.9	8.4	7.8	57.3	101.0
Labourers and related workers	23.3	17.7	15.1	27.0	20.2	14.9	22.1	140.3	238.5
Total	140.9	101.5	81.8	117.1	120.9	84.3	103.5	750.1	1,423.2

TABLE 17 --- UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT, QUEENSLAND

MAJES	1993		
Unemployed  Under 4 weeks 12.1 10.7 11.5 13.4 11.1 4 and under 8 weeks 10.7 9.1 9.7 12.6 8.6 8.6 8.0 40.7 10.2 13.1 13 and under 13 weeks 19.6 28.6 23.5 14.6 18.0 26 and under 52 weeks 14.5 16.1 16.6 14.2 13.5 25 weeks and over 33.0 30.5 36.3 31.6 29.7   Total 104.5 104.4 105.3 96.6 94.0 weeks 14.7 10.1 9.0 13.7 13.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	March April May March April Ma	March	Duration of unemployment
Under 4 weeks 12.1 10.7 11.5 13.4 11.1 4 and under 6 weeks 10.7 9.1 9.7 12.6 8.6 8.6 8.6 and under 13 weeks 14.6 9.4 7.7 10.2 13.1 13.3 and under 26 weeks 19.6 28.6 23.5 14.6 18.0 26 and under 52 weeks 14.5 16.1 16.6 14.2 13.5 52 weeks and over 33.0 30.5 36.3 31.6 29.7 Total 104.5 104.4 105.3 96.6 94.0 weeks 14.7 10.1 9.0 13.7 13.0 13.0 14.0 14.1 15.7 13.8 8.6 13.1 12.0 11.7 13.8 8.1 13.0 14.0 11.7 13.8 8.1 13.0 14.0 11.7 13.8 26 and under 13 weeks 9.4 6.5 9.6 9.6 9.1 7.8 25 weeks and over 15.9 15.4 14.0 15.7 12.8 10.1 15.9 15.4 14.0 15.7 12.8 10.1 15.9 15.4 14.0 15.7 12.8 10.1 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.9 15.4 14.0 15.7 12.8 10.0 15.9 15.9 15.9 15.9 15.9 15.9 15.9 15.9	MAJES		
Under 4 weeks	°000 °000 °000 °000 °000°	'000	
Under 4 weeks			Unemployed
4 and under 8 weeks 10,7 9,1 9,7 12,6 8,6 8 and under 13 weeks 14,6 9,4 7,7 10,2 13,1 13 and under 12 weeks 19,6 28,6 23,5 14,6 18,0 26 and under 52 weeks 14,5 16,1 16,6 14,2 13,5 52 weeks and over 33,0 30,5 36,3 31,6 29,7 Total 104,5 104,4 105,3 96,6 94,0 weeks 14,7 10,1 9,0 13,7 13,0 4 and under 4 weeks 9,2 4,8 5,2 11,5 9,4 8 and under 13 weeks 7,7 7,2 5,3 8,8 8,1 13 and under 26 weeks 10,8 13,1 12,0 11,7 13,8 26 and under 52 weeks 9,4 6,5 9,6 9,1 7,8 52 weeks and over 15,9 15,4 14,0 15,7 12,8 Total 67,7 57,0 55,1 70,5 64,8 weeks 26,7 20,7 20,6 27,1 24,0 4,0 13,3 13,3	12.1 10.7 11.5 13.4 11.1 8.3	121	
8 and under 13 weeks 14,6 9,4 7,7 10,2 13,1 13 and under 26 weeks 19,6 28,6 23,5 14,6 18,0 29,7 10,1 13,1 13 and under 52 weeks 14,5 16,1 16,6 14,2 13,5 52 weeks and over 33,0 30,5 36,3 31,6 29,7 10 1 104,5 104,4 105,3 96,6 94,0 104,5 104,4 105,3 96,6 94,0 104,5 104,4 105,3 96,6 94,0 104,5 104,4 105,3 96,6 94,0 104,5 104,4 105,3 96,6 94,0 104,5 104,5 104,4 105,3 96,6 94,0 104,5 104			
13 and under 26 weeks	• • • • • • • • • • • • • • • • • • • •		
26 and under 52 weeks			
52 weeks and over         33.0         30.5         36.3         31.6         29.7           Total         104.5         104.4         105.3         96.6         94.0           weeks			
Median duration of unemployment         20         20         26         21         21           FEMALES           '0000 '0000 '0000 '0000 '0000 '0000 '0000 '0000           Unemployed           Under 4 weeks         14.7         10.1         9.0         13.7         13.0           4 and under 8 weeks         9.2         4.8         5.2         11.5         9.4           8 and under 13 weeks         7.7         7.2         5.3         8.8         8.1         13.1         12.0         11.7         13.8         26 and under 52 weeks         9.4         6.5         9.6         9.1         7.8         52 weeks and over         15.9         15.4         14.0         15.7         12.8           52 weeks and over         15.9         15.7         57.0         55.1         70.5         64.8           weeks         weeks         weeks         weeks         weeks         weeks         weeks           Median duration of unemployment         14         18         19         13         13           PERSONS           Unemployed           Under 4 weeks         26.7         20.7         20.6         27.1         24.0 </td <td></td> <td></td> <td></td>			
Median duration of unemployment         20         20         26         21         21           FEMALES           '000<	104.5 104.4 105.3 96.6 94.0 84.	104.5	Total
Median duration of unemployment   20   20   26   21   21   21			
FEMALES   1000			Median duration of unamployment
Unemployed Under 4 weeks 14.7 10.1 9.0 13.7 13.0 4 and under 13 weeks 9.2 4.8 5.2 11.5 9.4 8 and under 26 weeks 10.8 13.1 12.0 11.7 13.8 26 and under 52 weeks 9.4 6.5 9.6 9.1 7.8 52 weeks and over 15.9 15.4 14.0 15.7 12.8  Total 67.7 57.0 55.1 70.5 64.8			мешан ищицоп от инепфиоумени
Unemployed Under 4 weeks 14.7 10.1 9.0 13.7 13.0 4 and under 8 weeks 9.2 4.8 5.2 11.5 9.4 8 and under 13 weeks 7.7 7.2 5.3 8.8 8.1 13 and under 26 weeks 10.8 13.1 12.0 11.7 13.8 26 and under 52 weeks 9.4 6.5 9.6 9.1 7.8 52 weeks and over 15.9 15.4 14.0 15.7 12.8  Total 67.7 57.0 55.1 70.5 64.8 weeks	FEMALES	F	
Under 4 weeks	000 000' 000' 000' 000'	'000	
4 and under 8 weeks 9.2 4.8 5.2 11.5 9.4 8 and under 13 weeks 7.7 7.2 5.3 8.8 8.1 13 and under 26 weeks 10.8 13.1 12.0 11.7 13.8 26 and under 52 weeks 9.4 6.5 9.6 9.1 7.8 52 weeks and over 15.9 15.4 14.0 15.7 12.8 Total 67.7 57.0 55.1 70.5 64.8 weeks w			Unemployed
8 and under 13 weeks 7.7 7.2 5.3 8.8 8.1 13 and under 26 weeks 10.8 13.1 12.0 11.7 13.8 26 and under 52 weeks - 9.4 6.5 9.6 9.1 7.8 52 weeks and over 15.9 15.4 14.0 15.7 12.8 Total 67.7 57.0 55.1 70.5 64.8 weeks week	14.7 10.1 9.0 13.7 13.0 12.1	14.7	Under 4 weeks
13 and under 26 weeks 26 and under 52 weeks 26 and under 52 weeks 27 yeeks and over 28 yeeks and over 29 yeeks 20 yeeks and over 20 yeeks 21 yeeks 22 yeeks and over 25 yeeks and over 26 yeeks 26 yeeks 27 yeeks and over 27 yeeks 28 yeeks 29 yeeks 29 yeeks 20 yeeks 21 yeeks 22 yeeks 23 yeeks 24 yeeks 25 yeeks 26 yeeks 27 yeeks 28 yeeks 29 yeeks 29 yeeks 29 yeeks 20 yeeks 20 yeeks 20 yeeks 20 yeeks 21 yeeks 22 yeeks 23 yeeks 24 yeeks 25 yeeks 26 yeeks 27 yeeks 27 yeeks 28 yeeks 29 yeeks 29 yeeks 29 yeeks 20 yeeks	9.2 4.8 5.2 11.5 9.4 8.2	9.2	4 and under 8 weeks
26 and under 52 weeks       9.4       6.5       9.6       9.1       7.8         52 weeks and over       15.9       15.4       14.0       15.7       12.8         Total       67.7       57.0       55.1       70.5       64.8         weeks       weeks       weeks       weeks       weeks       weeks         Median duration of unemployment       14       18       19       13       13         PERSONS         Unemployed         Under 4 weeks       26.7       20.7       20.6       27.1       24.0         4 and under 8 weeks       20.0       13.9       14.9       24.1       18.0         8 and under 13 weeks       22.2       16.5       13.1       19.0       21.2         13 and under 26 weeks       30.4       41.7       35.5       26.3       31.8	7.7 7.2 5.3 8.8 8.1 6.3	7.7	8 and under 13 weeks
15.9   15.4   14.0   15.7   12.8   15.4   14.0   15.7   12.8   15.4   14.0   15.7   12.8   15.4   14.0   15.7   12.8   15.4   15.7   15.0   15.1   15.5   15.1   15.5   15.1   15.5   15.1   15.5   15.1   15.7   12.8   15.5   15.1   15.7   15.8   15.7   15.8   15.7   15.8   15.7   15.7   15.8   15.7   15.7   15.8   15.7		10.8	13 and under 26 weeks
Total 67.7 57.0 55.1 70.5 64.8    weeks   weeks   weeks   weeks   weeks   weeks		9.4	26 and under 52 weeks
weeks         13         13           PERSONS           Unemployed           Under 4 weeks         26.7         20.7         20.6         27.1         24.0           4 and under 8 weeks         20.0         13.9         14.9         24.1         18.0           8 and under 13 weeks         22.2         16.5         13.1         19.0         21.2           13 and under 26 weeks         30.4         41.7         35.5         26.3         31.8		15.9	52 weeks and over
Median duration of unemployment   14	67.7 57.0 55.1 70.5 64.8 62.1	67.7	Total
PERSONS  '000 '000 '000 '000 '000 '000  Unemployed  Under 4 weeks 26.7 20.7 20.6 27.1 24.0 4 and under 8 weeks 20.0 13.9 14.9 24.1 18.0 8 and under 13 weeks 22.2 16.5 13.1 19.0 21.2 13 and under 26 weeks 30.4 41.7 35.5 26.3 31.8	weeks weeks weeks weeks weeks	weeks	
John State of	14 18 19 13 13 16	14	Median duration of unemployment
Unemployed  Under 4 weeks  4 and under 8 weeks  20.0  13.9  14.9  24.1  18.0  8 and under 13 weeks  22.2  16.5  13.1  19.0  21.2  13 and under 26 weeks  30.4  41.7  35.5  26.3  31.8	PERSONS	F	
Under 4 weeks     26.7     20.7     20.6     27.1     24.0       4 and under 8 weeks     20.0     13.9     14.9     24.1     18.0       8 and under 13 weeks     22.2     16.5     13.1     19.0     21.2       13 and under 26 weeks     30.4     41.7     35.5     26.3     31.8	2000 '000' 000' 000' 000'	'000	4
Under 4 weeks     26.7     20.7     20.6     27.1     24.0       4 and under 8 weeks     20.0     13.9     14.9     24.1     18.0       8 and under 13 weeks     22.2     16.5     13.1     19.0     21.2       13 and under 26 weeks     30.4     41.7     35.5     26.3     31.8			Linembloyed
4 and under 8 weeks     20.0     13.9     14.9     24.1     18.0       8 and under 13 weeks     22.2     16.5     13.1     19.0     21.2       13 and under 26 weeks     30.4     41.7     35.5     26.3     31.8	26.7 20.7 20.6 27.1 24.0 20.9	26.7	
8 and under 13 weeks     22.2     16.5     13.1     19.0     21.2       13 and under 26 weeks     30.4     41.7     35.5     26.3     31.8			
13 and under 26 weeks 30.4 41.7 35.5 26.3 31.8			
76 and under \$7 speeks 740 776 767 724 717	23.9 22.6 26.2 23.4 21.3 19.9		26 and under 52 weeks
52 weeks and over 48.9 46.0 50.3 47.3 42.4			
Total 172.2 161.5 160.4 167.2 158.8		172.2	Total
weeks weeks weeks weeks weeks			
Median duration of unemployment 17 19 23 16 17			Median duration of unemployment

TABLE 18 — UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT BY STATISTICAL REGION, QUEENSLAND, MAY 1994

		Unemployed		Median duration
-	Under 13 weeks	13 weeks and over	Total	of unemployment
Region	'000	'000	'000'	weeks
	M	ALES		
Brisbane	8.2	28.3	36.5	26
Brisbane City Inner Ring	* 1.4	8.9	10.3	* 25
Brisbane City Outer Ring	* 2.2	6.2	8.4	* 21
South and East BSD Balance	* 1.3	4.5	5.8	* 30
North and West BSD Balance	3.3	8.7	12.0	44
Balance of Queensland	15.9	32.5	48.4	23
South and East Moreton	* 2.1	6.4	8.5	• 32
North and West Moreton	2.9	5.7	8.5	* 26
Wide Bay-Burnett	* 2.7	5.2	7.9	* 21
Darling Downs and South-West	* 2.3	* 2.5	4.7	* 13
Mackay, Fitzroy and Central-West	* 2.2	6.1	8.3	* 26
Northern and North-West Far North	* 2.1 * 1.7	* 1.9 4.7	3.9 6.4	• 10 • 20
rai Notti				
Queensland	24.1	60.8	84.9	25
	FEN	MALES		
Brisbane	10.5	16.6	27.1	18
Brisbane City Inner Ring	- 2.8	3.8	6.6	* 18
Brisbane City Outer Ring	* 1.6	4.6	6.2	* 21
South and Fast BSD Balance	3.4	3.2	6.5	* 12
North and West BSD Balance	2.7	5.1	7.8	* 20
Balance of Queensland	16.1	18.9	35.0	14
South and East Moreton	2.9	4.7	7.6	* 19
North and West Moreton	3.1	* 2.5	5.6	* 9
Wide Bay-Burnett	* 1.7	3.1	4.8	* 20
Darling Downs and South-West	* 2.1	* 2.1	4.1	• 9
"Mackay, Fitzroy and Central-West	* 2.2	* 2.2	4.3	* 11
Northern and North-West	* 1.3	* 2.2	3.5	* 22
Far North	* 2.9	* 2.2	5.2	* 6
Queensland	26.6	35.5	62.1	16
	PEI	RSONS		
Brisbane	18.7	44.9	63.6	22
Brisbane City Inner Ring	4.2	12.7	16.9	21
Brisbane City Outer Ring	3.8	10.8	14.6	21
South and East BSD Balance	4.7	7.6	12.3	18
North and West BSD Balance	6.1	13.8	19.8	26
Balance of Queensland	32.0	51.4	83.4	18
South and East Moreton	5.0	11.1	16.1	23
North and West Moreton	5.9	8.1	14.1	17
Wide Bay-Burnett	4.4	8.3	12.7	21
Darling Downs and South-West	4.3	4.5	8.9	* 13
Mackay, Fitzroy and Central-West	4.4	8.3	12.7	23
Northern and North-West Far North	3.3 4.7	4.1 6.9	7.4 11.6	* 16 17
ras Notin				
Queensland	50.7	96.3	147.0	20

 ${\it TABLE\,19-UNEMPLOYED\,PERSONS\,AND\,UNEMPLOYMENT\,RATES:\,\,INDUSTRY\,AND\,OCCUPATION\,OF\,\,LAST\,\,FULL-TIME\,JOB,}\\ QUEENSLAND$ 

	May 19	93	August 1	993	November	1993	February 1994		May 1994	
Unemployment category, industry division	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
and occupation group	,000	%	'000	%	,000	%	'000	%	'000	%
Persons who had worked full-time for 2 weeks										
or more in the last 2 years	91.5	6.3	85.5	5.9	86.4	5.9	87.7	5.9	78.7	5.2
Industry division										
Agriculture, forestry, fishing										
and hunting	7.6	8.6	6.7	7.5	6.2	6.6	9.4	10.7	7.0	7.8
Manufacturing	17.2	9.3	14.1	7.9	16.5	8.7	14.0	7.6	12.7	6.6
Construction	14.5	10.8	12.5	9.4	8.1	6.1	9.4	6.7	7.2	5.2
Wholesale and retail trade	23.2	7.1	20.7	6.6	17.9	5.5	18.4	5.6	18.4	5.5
Community services	5.1	2.0	6.3	2.4	6.7	2.5	10.1	3.8	7.2	2.7
Recreation, personal and other			0.0		.,,,		10.1	27.0	7.2	2.,
services	9.4	6.7	11.6	8.7	14.7	11.4	11.4	8.3	11.5	8.2
Other industries	14.6	4.5	13.6	4.1	16.2	4.8	15.1	4.4	14.8	4.3
Occupation group										
Managers and administrators	4.7	3.1	3.7	2.7	3.6	2.5	4.1	2.8	3.7	2.5
Professionals	+ 3.1	* 2.1	+ 2.5	* 1.5	4.3	2.7	4.0	2.6	* 3.1	* 1.9
Para-professionals	* 2.3	* 3.1	• 1.0	* 1.3	* 3.1	* 3.6	* 1.7	* 2.1	* 2.1	* 2.7
Tradespersons	15.3	7.0	14.4	6.7	12.3	5.7	12.7	5.7	11.2	4.8
Clerks	9.1	3.9	10.2	4.6	8.2	3.6	9.5	4.0	8.4	3.6
Salespersons and personal	~.1	****	10.2	1.0	V.2	5.0	,,,	4.0	0.4	5.0
service workers	14.5	5.5	17.3	6.8	15.4	6.0	16.0	6.0	15.5	5.7
Plant and machine operators	21.0	0.0	1,,,,	0.0	13.7	0.0	40.0	0.0	15.5	5.7
and drivers	7.5	7.1	8.9	7.8	10.0	8.4	9.7	8.6	6.6	6.1
Labourers and related workers	34.5	13.7	27.5	10.8	29.0	11.2	29.8	11.1	27.9	10.4
Reason for ceasing last full-time job Job loser	•			,						
Laid off, retrenched	46.2		43.2		40.1		34.5		28.3	
Other	19.0		16.9		18.7		21.2		21.1	
Job leaver	26.3		25.4	••	27.6		32.0		29.3	
Other										
Persons looking for first job	11.1		13.0		13.8		17.1	.,	11.8	
Former workers	53.5		59.5		51.9	.,	63.9		52.4	
Persons stood down	4.3		* 1.5	**	* 2.3		3.9		4.0	
Total	160.4	10.6	159.5	10.5	154.5	19.0	172.6	11.0	147.0	9.4
				100	1349	10.0	1/4.0	11.0	147.0	7,4
Looking for full-time work	139.0	11.9	133.3	11.5	130.2	11.0	139.5	11.6	117.5	9.8
Looking for part-time work	21.4	6.2	26.2	7.4	24.3	6.9	33.1	9.0	29.5	7.9

# SPECIAL SURVEYS DATA RELATING TO THE LABOUR FORCE

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force are carried out from time to time. The results of these surveys on labour force and related topics are published separately as shown below.

Title of publication	Latest Data	Catalogue No.
Alternative Working Arrangements, Australia	September to November 1986	6341.0
Annual and Long Service Leave Taken, Australia	May 1988 to April 1989	6317.0
Career Experience, Australia	February 1993	6254.0
Career Paths of Persons With Trade Qualifications, Australia	1989	6243.0
Career Paths of Qualified Nurses, Australia	March to July 1989	6277,0
Child Care, Australia	June 1993	4402.0
Employment Benefits, Australia	August 1992	6334.0
How Workers Get Their Training, Australia	1989	6278,0
Survey of Income and Housing Costs and Amenities	1990	6546,0
Job Search Experience of Unemployed Persons, Australia	July 1993	6222.0
Labour Force Experience, Australia	March 1993	6206.0
Labour Force Status and Educational Attainment, Australia	February 1993	6235.0
Labour Force Status and Other Characteristics of Families, Australia	June 1993	6224.0
Labour Force Status and Other Characteristics of Migrants, Australia	September 1993	6250.0
Labour Mobility, Australia	February 1992	6209,0
Multiple Jobholding, Australia	July 1991	6216.0
Participation in Education, Australia	September 1993	6272.0
(Formerly Labour Force Status and Educational Attendance, Australia)		
Persons Employed at Home, Australia	March 1992	6275,0
Persons Not in the Labour Force, Australia	September 1993	6220,0
Persons Who Had Re-entered the Labour Force, Australia	May 1993	6264.0
Persons Who Have Left the Labour Force, Australia	April 1991	6267.0
Retirement and Retirement Intentions, Australia	October 1992	6238.0
Successful and Unsuccessful Job Search Experience, Australia	July 1992	6245.0
Superannuation, Australia	November 1993	6319.0
Trade Union Members, Australia	August 1992	6325.0
Transition From Education to Work, Australia	May 1993	6227.0
Underemployed Workers, Australia	May 1991	6265.0
Weekly Earnings of Employees (Distribution), Australia	August 1993	6310.0

Special tabulations of data from these surveys are available. Please contact Information Inquiries on (07) 222 6351 for further information.

# CUSTOMISED REPORTS

Summary reports at the national, State and regional level can be prepared for any aspect of the labour force required or on any aspect of employment, earnings or industrial conditions. Please contact Information Inquiries on (07) 222 6351 for details or write to Australian Bureau of Statistics, GPO Box 9817, Brisbane Q 4001.

# RECENT RELEASES OF INTEREST

# Child Care, Australia, June 1993 (4402.0), (\$25.00)

The 1993 issue is divided into two sections. Section 1. Use of Child Care, contains information on child care arrangements in Australia in 1987, 1990 and 1993, children aged 0-11 years and family units with children aged 0-11 years classified by type of child care, by age of children, whether children attended school, days and hours of care, main language spoken at home, labour force status of parents and other demographic and economic attributes of the families, children or parents. Section 2. Demand for Formal Child Care, includes information on whether additional formal care is required, by type of care, main reason for using or not requiring formal care, by age of child, and by other demographic and economic attributes of the families, children or parents.

# Labour Force Status and Other Characteristics of Migrants, Australia, September 1993 (6250.0), (\$13.00)

Provides data on labour force participation of migrants cross-tabulated by sex, birthplace, country of last residence, English fluency, migration category, educational attainment on arrival, field of qualification obtained before migration and whether qualification recognised in Australia, occupation and whether occupation before migration was the same as current occupation.

# Superannuation, Australia, November 1993 (6319.0), (\$13.00)

This issue contains details of persons who currently belong to a superannuation scheme, persons who once belonged to a superannuation scheme and persons who have not joined a superannuation scheme. The type of data items provided include age, sex, full-time/part-time status, weekly contributions to scheme, provider of scheme, time in scheme, expected main source of income after ceasing full-time work, intended disbursement of lump sum payment from superannuation scheme, expected type of payment after ceasing full-time work.

Please contact Information Inquiries on (07) 222 6351 for further information.

# EARLY RELEASE OF MONTHLY REGIONAL LABOUR FORCE DATA

Labour force data for Queensland regions are available each month as an annual subscription service or on an ad hoc per month basis.

By subscribing to this service you will receive regional labour force data soon after the release of *The Labour Force*, Australia, Preliminary (6202.0).

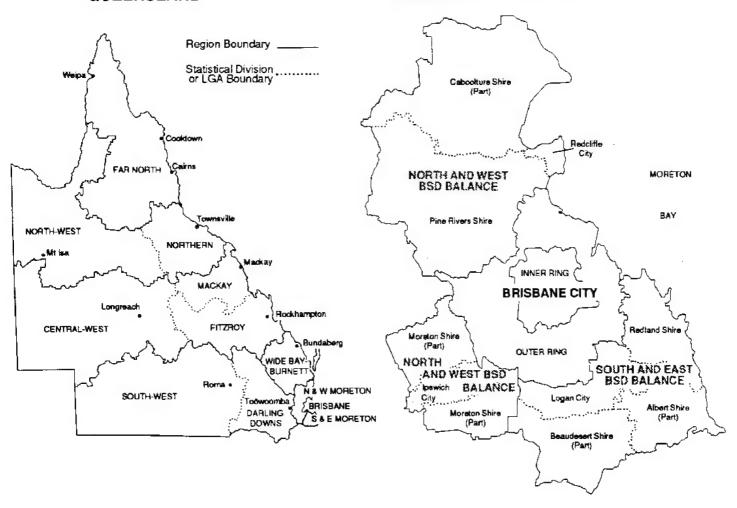
Information will be provided on the number of persons employed, unemployed, persons in the labour force, persons not in the labour force, the unemployment rate, the participation rate and youth unemployment for the 11 statistical regions in Queensland.

The annual subscription is \$240 for twelve issues or \$25 on an ad hoc per month basis.

If you are interested in subscribing to this service please contact Client Support on (07) 222 6068.

# STATISTICAL REGIONS, QUEENSLAND

# STATISTICAL REGIONS, BRISBANE STATISTICAL DIVISION



# **Brisbane City Inner Ring**

Albion	Clayfield	Highgate Hill	Red Hill
Alderley	Соограгоо	Holland Park	Sherwood
Annerley	Corinda	Holland Park West	South Brisbane
Ascot	Dutton Park	Indooroopilly	Spring Hill
Ashgrove	East Brisbane	Kangaroo Point	St Lucia
Balmoral	Enoggera (including Military	Kedron	Stafford
Bardon	Camp)	Kelvin Grove	Stafford Heights
Bowen Hills	Fairfield	Lutwyche	Taringa
Bulimba	Fortitude Valley - Inner	Milton	Tarragindi
Camp Hill	Fortitude Valley - Remainder	Moorooka	Toowong
Cannon Hill	Graceville	Morningside	West End
Carina	Grange	New Farm	Wilston
Carina Heights	Greenslopes	Newmarket	Windsor
Carindale	Hamilton	Newstead	Woolloongabba
Chelmer	Hawthorne	Norman Park	Wooloowin
City - Inner	Hendra	Nundah	Yeerongpilly
City - Remainder	Herston	Paddington	Yeronga

## **EXPLANATORY NOTES**

# The population survey

The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, etc.) and usually covers approximately three-fifths of 1 per cent of the population of Queensland. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during a period of 2 weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the reference week).

# Scope

- 2. The labour force survey includes all persons aged 15 years and over except:
  - (a) members of the permanent defence forces;
  - (b) certain diplomatic personnel of overseas governments, customarily excluded from Census and estimated populations;
  - (c) overseas residents in Australia and
  - (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

#### Coverage

- 3. In the labour force survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling and hence has only one chance of selection. The coverage rules are, necessarily, a balance between theoretical and operational considerations. Nevertheless, the chance of a person being enumerated at two separate dwellings in the one survey is considered to be negligible.
- 4. Persons who are away from their usual residence for 6 weeks or less at the time of interview are enumerated at their usual residence when relevant information can be obtained from other usual residents present at the time of the survey.

# Supplementary and special surveys

5. Emphasis in the population survey is placed on the regular collection of specific data on demographic and labour force characteristics of the population. However, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available on request. A list of survey publications on labour force and related topics is shown on page 22.

# Population benchmarks

6. Labour force survey estimates of persons employed, unemployed and not in the labour force are calculated in

such a way as to add up to the independently estimated distribution of the population aged 15 years and over by age and sex. This procedure compensates for underenumeration in the survey and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in the quarterly ABS publication Australian Demographic Statistics (3101.0) because they are necessarily derived from incomplete information about population changes.

- 7. Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.
- 8. While this procedure can be expected to provide reliable estimates of unemployment and participation rates, it cannot be taken as completely reliable for estimates of numbers involved. For this reason estimates of numbers in each region have not been added to provide an estimate of the total civilian population aged 15 years and over.

#### Revision of series

- 9. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each census of population and housing and when population estimation bases are reviewed. These revisions affect unadjusted, seasonally adjusted and trend estimates. The last such revision was made in February 1994 to take account of the results of the 1991 Census of Population and Housing. This affected all the monthly estimates from January 1989 to January 1994.
- 10. From September 1987, regional estimates are based on statistical regions. Prior to September 1987, estimates were based on differently composed dissemination regions.
- 11. The estimates shown in this publication are based entirely on place of usual residence. Prior to October 1982, the estimates were based on a combination of place of enumeration and place of usual residence.
- 12. Until February 1978, surveys were conducted in February, May, August and November each year from 1964. From February 1978 the survey has been conducted on a monthly basis.
- 13. The questionnaire used in the survey for the collection of labour force data has been revised a number of times. Details of these changes have been published in Information Paper: Questionnaires Used in the Labour Force Survey (6232.0) in March 1978, December 1981, August 1984, June 1986, June 1991 and March 1993.

#### EXPLANATORY NOTES — continued

# Comparability of series

- 14. As noted in paragraph 9, estimates from January 1989 have been revised to conform to revised population estimates following the 1991 Census of Population and Housing and are thus not strictly comparable with estimates for periods prior to January 1989 which have not been revised.
- 15. Regional estimates are based on statistical regions from September 1987. They are not comparable with estimates prior to that date which were based on differently composed dissemination regions.
- 16. Comparability with estimates produced from the quarterly survey of employment and earnings is affected by the use of a different survey methodology and definitions. The labour force survey provides estimates of people in jobs whereas the survey of employment and earnings provides an estimate of the number of jobs held by wage and salary earners. A more detailed description of the differences between these two series is provided in Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings (6263.0).

# Reliability of estimates

- 17. Estimates in this publication are subject to two sources of error.
  - (a) Sampling error. Since the estimates are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical Notes.
  - (b) Non-sampling error. Inaccuracies may occur because of imperfections in reporting by respondents and interviewers and errors made in coding and processing data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

#### Survey sample redesign

- 18. The labour force survey sample was redesigned and reselected using information collected in the 1991 Census of Population and Housing. The new sample was phased in over the period September to December 1992. For details, see *Information Paper: Labour Force Survey Sample Design* (6269.0).
- 19. For the most part, one quarter of the new sample was introduced each month so that, by December 1992, the entire new sample was in place. Replacement occurred generally at the rotation group level with two groups substituted each month. Such a pattern of implementation

- means that any changes to labour force estimates due to differences between the two samples, or any other influences, was spread over 4 months rather than being concentrated in one inter-month period.
- 20. This phase-in scheme applied to the private dwelling sample in urban areas. The new sample for non-private dwellings and private dwellings in rural areas was introduced in a single stage in November 1992.
- 21. The sampling fraction differs for States and Territories to enable estimates of reasonable accuracy to be produced at State level as well as for Australia. The sampling fraction for Queensland is 1 in 195.

#### Potential effects on labour force survey estimates

- 22. Implications for estimates produced from the Labour Force Survey due to sample redesign and its implementation are as follows:
  - (a) the sampling error in Queensland increased overall initially by about 8 per cent over the previous level but will decline gradually during the life of the new sample. There were also higher standard errors for the estimates of month-to-month movements produced during the period September 1992 to December 1992 compared with those for the corresponding series produced prior to this period and from January 1993 onwards. Overall, these are estimated to be up to 20 per cent higher than the normal standard errors on monthly movements.
  - (b) analysis has shown that the unemployment rate was marginally higher (less than 0.5 percentage points) for those persons in sample for the first time. Normally, this will not affect the overall estimates of month-to-month movements because the number of persons in sample does not change significantly. However, during the transition period, there were twice as many as usual in sample for the first time. This may have caused a small upward movement (of less than 0.1 percentage points) in the unemployment rate from August 1992 to September 1992 and a compensating decrease from December 1992 to January 1993.

# Changes to regions

23. The following changes to the existing Queensland labour force dissemination regions took effect from September 1992:

The Brisbane Major Statistical Region has been expanded to include all of the Shire of Pine Rivers and additional parts of the Shires of Caboolture, Beaudesert, Moreton and Albert. 'South and East BSD Balance Statistical Region' and 'North and West BSD Balance Statistical Region' have been enlarged with corresponding reductions to 'South and East Moreton Statistical Region' and 'North and West Moreton Statistical Region'.

## EXPLANATORY NOTES — continued

# Seasonal adjustment

24. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effect of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation. Seasonal factors are reviewed annually to take account of each additional year of original data.

#### Trend estimation

- 25. Smoothed seasonally adjusted series produce a measure of trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time.
- 26. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available. Generally, subsequent revisions become smaller and after 3 months have a negligible impact on the series. There will also be revisions as a result of the annual review of seasonal factors.

# Month-to-month movements

27. Care should be taken in the interpretation of month-tomonth movements in labour force survey estimates as they are-subject to sampling and non-sampling variability as explained in paragraph 17.

## Related publications

28. Users may also wish to refer to the following publications which are available on request:

The Labour Force, Australia, Preliminary (6202.0) – Monthly (\$11.00)

The Labour Force, Australia (6203.0) – Monthly (\$16.50)

The Labour Force, Australia (6204.0) - Latest issue: 1978 to 1989

Monthly Summary of Statistics (1304.3) - Monthly (\$10.00)

Economic Indicators (1307.3) - Monthly (\$6.50)

Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings (6263.0) – Latest issue; July 1985

Information Paper: A Guide to Smoothing Time Series — Estimates of 'Trend' (1316.0) – Latest issue: 1987

Information Paper: Time Series Decomposition — an Overview (1317.0) – Latest issue: 1987

Information Puper: Labour Force Survey — Sample Design (6269.0) – Latest issue: September 1992

Information Paper: Labour Force Survey — Measuring Teenage Unemployment (6270.0) - Latest issue; October 1987

Information Paper: Measuring Employment and Unemployment (6279.0) – New issue: August 1991 Information Paper: Regional Labour Force Statistics (6262.0) – Latest issue: September 1992

29. Current publications produced by the ABS are listed in the Catalogue of Publications and Products (1101.0). The ABS also issues the Publications Advice (1105.0) on Tuesdays and Fridays which lists publications to be released in the next few days. Both the Catalogue and the Publications Advice are available from any ABS office.

# Unpublished statistics

30. As well as the statistics included in this and related publications, the ABS may have other relevant unpublished data available. Inquiries should be made to the contact shown at the front of this publication.

#### Symbols and other usages

- not applicable
- nil or rounded to zero
- \* subject to sampling variability too high for most practical purposes; See paragraphs 8 and 9 in the Technical Notes
- 31. Where figures have been rounded, discrepancies may occur between totals and the sums of the component items.

# TECHNICAL NOTES

# Estimation procedure

The labour force estimates are derived from the monthly population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates.

2. Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

# **Data quality**

3. Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. *Non-sampling error* is explained in the Explanatory Notes, paragraph 17(b). The *sampling error* is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed.

# Standard error of estimates

- 4. One measure of the variability of estimates which occurs as a result of surveying only a sample of the population is the *standard error* (SE).
- 5. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included and about 19 chances in 20 that the difference will be less than two standard errors.
- 6. The standard error of an estimate can be obtained from Table A. Linear interpolation should be used to calculate the standard error of estimates falling between the sizes of estimates listed in the table (see example following Table A).
- 7. Standard errors for some estimates, e.g. unemployment, can vary from those shown in the tables.

Methods for calculating the standard errors of these estimates are shown in the table below.

#### Relative standard error

- 8. Another measure of sampling variability is the relative standard error (RSE). This is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard error is a useful measure in that it provides an immediate indication of the percentage errors likely to have occurred due to sampling and thus avoids the need to refer also to the size of the estimate.
- 9. In the tables in this publication, only estimates with relative standard errors of 25 per cent or less, and percentages based on such estimates, are considered sufficiently reliable for most purposes. However, estimates and percentages with larger relative standard errors have been included and are preceded by an asterisk (e.g. \* 3.0) to indicate they are subject to high standard errors and should be used with caution. Small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable use.

# Standard error of movement

- 10. The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. Standard errors of monthly movements are given in Table B. These estimates apply only to estimates of movements between two consecutive months.
- 11. Movements between corresponding months of consecutive quarters, i.e. quarterly movements, can be obtained by multiplying the figure in Table B by 1.21. Standard errors of movements between corresponding months of consecutive years, i.e. annual movements, can be obtained by multiplying the figures in Table A by 1.3. When using Tables A or B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

#### METHODS FOR CALCULATING THE STANDARD ERRORS FOR SELECTED ESTIMATES

Standard errors of estimates of employed persons.

Standard errors of estimates of unemployed persons.

Standard errors of estimates of persons not in the labour force.

Standard errors of rates (e.g. the unemployment rate which is based on the number of unemployed persons expressed as a percentage of the number of persons in the labour force).

Standard error of average hours worked.

Measure of reliability to be determined

Standard error of median duration of unemployment.

Standard error of monthly movements. Standard error of quarterly movements.

Standard error of annual movements

Method

Determine the SE from Table A directly. Multiply the SE from Table A by 0.97.

Multiply the SE from Table A by 1.06.

Determine the RSE of the numerator (x) and the denominator (y) then apply the following formula.

 $RSE(x/y) = \sqrt{[RSE(x)]^2 - [RSE(y)]^2}$ 

Determine the RSE for the number of persons on which the average is based and multiply this by 0.7.

Determine the RSE for the number of persons on which the median is based and multiply this by 2.0.

Using Table B, look up the SE of the larger estimate.

Determine the standard error of the larger estimate (using Table A) and multiply this by 1.21.

Determine the standard error of the larger estimate (using Table A) and multiply this by 1.3.

# TECHNICAL NOTES — continued

# $\textbf{TABLE}\,\mathbf{A} = \mathbf{STANDARD}\,\,\mathbf{ERRORS}\,\,\mathbf{OF}\,\,\mathbf{ESTIMATES}\,\,\mathbf{FOR}\,\,\mathbf{STATISTICAL}\,\,\mathbf{REGIONS}\,\,\mathbf{AND}\,\,\mathbf{QUEENSLAND}$

Size of estimate		Brisbane (MSR) Statistical Regions					
	Queensland; Brisbane (MSR); Balance of Queensland	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East Brisbane Statistical Division Balance	North and West Brisbane Statistical Division Balance		
	No.	No.	No.	No.	No.		
200	210	160	170	170	170		
300	260	200	210	220	210		
500	340	260	270	280	280		
700	400	310	320	340	330		
1,000	480	380	390	410-	400		
1,500	590	470	480	500	500		
2,000	680	540	560	590	580		
2,500	750	610	630	660	650		
3,000	820	670	690	720	720		
4,000	940	780	800	840	830		
5,000	1,050	880	900	950	940		
7,000	1,200	1,050	1,100	1,150	1,100		
10,000	1,400	1,250	1,300	1,350	1,350		
15,000	1,700	1,550	1,600	1,700	1,650		
20,000	1,950	1,800	1,850	1,950	1,950		
30,000	2,300	2,250	2,300	2,450	2,400		
50,000	2,850	2,950	3,050	3,150	3,150		
70,000	3,250	3,500	3,600	3,800	3,750		
100,000	3,750	4,250	4,350	4,550	4,500		
150,000	4,400	5,200	5,400	5,600	5,600		
200,000	4,950	6,100	6,300	6,600	6,500		
300,000	5,800	7,500	7,700	8,100	8,000		
500,000	7,000	9,900	10,100	10,600	10,500		
1,000,000	8,900	.,		10,000	10,000		
2,000,000	11,300	**		**	11		

Size of estimate		Balance of Queensland Statistical Regions						
	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs and South-West	Mackay, Fitzroy and Central-West	Northern and North-West	Far North	
	No.	No.	No.	No.	No.	No.	No.	
200	<b>1</b> 60	170	180	180	180	170	190	
300	200	220	230	220	220	210	240	
500	270	280	300	290	290	270	310	
700	320	340	350	340	340	320	370	
1,000	380	410	430	410	420	390	440	
1,500	470	500	530	510	510	480	550	
2,000	550	590	620	600	600	560	640	
2,500	620	660	690	670	670	630	720	
3,000	680	720	760	740	740	690	790	
4,000	790	840	890	860	860	810	920	
5,000	890	950	1000	960	970	910	1,050	
7,000	1,050	1,150	1,200	1,150	1,150	1,100	1,250	
10,000	1,300	1,350	1,450	1,400	1,400	1,300	1,500	
15,000	1,600	1,700	1,750	1,700	1,700	1,600	1,850	
20,000	1,850	1,950	2,050	2,000	2,000	1,900	2,150	
30,000	2,300	2,400	2,550	2,450	2,500	2,350	2,650	
50,000	3,000	3,150	3,350	3,250	3,250	3,050	3,450	
70,000	3,550	3,800	4,000	3,850	3,850	3,650	4,100	
100,000	4,300	4,550	4,800	4,650	4,650	4,350	4,950	
200,000	6,200	6,600	6,900	6,700	6,700	6,300	7,100	
300,000	7,600	8,100	8,500	8,300	8,300	7,800	8,800	
500,000	10,000	10,600	11,200	10,800	10,800	10,200	11,500	

# TECHNICAL NOTES - continued

# Linear interpolation

12. Linear interpolation is used to determine the standard error of an estimate which falls between two values listed in the *size of estimate* column in Tables A or B. Linear interpolation is best described using an example. In February 1994 there were  $586,400~(X_e)$  employed females in Queensland. This estimate falls between the values  $500,000~(X_l)$  and  $1,000,000~(X_u)$  in Table A.

13. The standard error of the estimate is determined as follows:

Firstly calculate 
$$F = \frac{X_e - X_1}{X_u - X_1}$$
  
=  $\frac{586,400 - 500,000}{1,000,000 - 500,000}$   
= 0.173

Secondly, calculate the standard error of the estimate,  $SE(X_e)$  thus,

$$SE(X_e)$$
 =  $SE(X_l) + F[SE(X_u) - SE(X_l)]$   
=  $7,000 + 0.173 \times \{8,900 - 7,000\}$   
=  $7,329$   
=  $7,300$  rounding to the nearest 100.

Therefore the standard error of the number of employed females in Queensland in February 1994 (586,400) is 7,300.

TABLE B — STANDARD ERRORS OF MONTHLY MOVEMENTS FOR STATISTICAL REGIONS AND QUEENSLAND

Size of estimate			Brisbane (MSR) Statistical Regions						
	Queensland; Brisbane (MSR); Balance of Queensland		Brisbane City Inner Ring	Brisbane City Outer Ring	South and East Brisbane Statistical Division Balance	North and West Brisbane Statistical Division Balance			
	No.	%	No.	No.	No.	No.			
1,000	580	58.0	330	310	250	320			
1,500	660	44.0	400	370	300	380			
2,000	730	36.5	450	420	340	440			
2,500	790	31.6	500	470	370	480			
3,000	840	28.0	540	510	400	520			
4,000	930	23.3	610	570	460	590			
5,000	1,000	20.0	670	630	500	650			
7,000	1,150	16.4	770	730	580	750			
-10,000	1,250	12.5	900	850	680	880			
15,000	1,450	9.7	1,100	1,000	810	1,050			
20,000	1,600	8.0	1,200	1,150	920	1,200			
30,000	1,850	6.2	1,450	1,350	1,100	1,400			
50,000	2,200	4.4	1,800	1,700	1,350	1,750			
100,000	2,800	2.8	2,450	2,300	1,850	2,400			
200,000	3,550	1.8	3,300	3,150	2,500	3,200			
300,000	4,100	1.4	3,950	3,750	2,950	3,850			

Bulance of Queensland Statistical Regions

Size of estimate		2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1						
	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs and South-West	Mackay, Fitzroy and Central-West	Northern and North-West	Far North	
	No.	No.	No.	No.	No.	No.	No.	
1,000	290	300	340	320	340	320	290	
1,500	340	350	400	390	410	390	340	
2,000	390	400	460	440	460	440	390	
2,500	430	440	500	480	510	480	430	
3,000	460	480	550	520	550	520	460	
4,000	530	540	620	590	620	590	530	
5,000	580	600	680	650	680	650	580	
7.000	670	690	790	760	790	750	670	
10,000	780	810	920	880	920	880	780	
15,000	930	960	1,100	1,050	1,100	1,050	930	
20,000	1,050	1,100	1,250	1,200	1,250	1,200	1,050	
30,000	1,250	1,300	1,500	1,400	1,500	1,400	1,250	
50,000	1,550	1,600	1,850	1,750	1,850	1,750	1,550	
100,000	2,100	2,200	2,500	2,400	2,500	2,400	2,150	
200,000	2,850	2,950	3,350	3,250	3,400	3,200	2,850	
300,000	3,400	3,550	4,000	3,850	4,050	3,850	3,450	

#### **GLOSSARY**

Attending school. Persons aged 15 to 19 years who, during the reference week, were enrolled full-time at secondary or high schools.

Attending tertiary educational institution full-time. Persons aged 15 to 24 years who, during the reference week, were enrolled full-time at a TAFE college, university or other educational institution.

Average hours worked. Aggregate hours worked by a group divided by the number of persons in that group.

Average duration of unemployment. For a group of unemployed persons, the aggregate duration of unemployment divided by the number of persons in the group.

Duration of unemployment. The period from the time a person began looking for work or was stood down, to the end of the reference week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full-time for 2 weeks or more to the end of the reference week.

Employed. Persons aged 15 years and over who, during the reference week:

- (a) worked for 1 hour or more for pay, profit, commission or payment in kind in a job or business or on a farm (comprising employees, employers and self-employed persons);
- (b) worked for 1 hour or more without pay in a family business or on a farm (i.e. unpaid family helpers);
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than 4 weeks up to the end of the reference week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than 4 weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; receiving wages or salary while undertaking full-time study or
- (d) were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

Former workers. Unemployed persons who have previously worked full-time for 2 weeks or more but not in the past 2 years.

Full-time workers. Employed persons who usually worked 35 hours or more a week (in all jobs) and others who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.

Hours worked. The total number of hours a group of employed persons has actually worked during the reference week, not necessarily hours paid for.

Job leavers. Unemployed persons who have worked full-time for 2 weeks or more in the past 2 years and left that job voluntarily, that is, because of unsatisfactory work arrangements, pay or hours; the job was seasonal, temporary or a holiday job and they left that job to return to studies; their last job was running their own business and they closed down or sold that business for reasons other than financial difficulties or any other reasons.

Job losers. Unemployed persons who have worked fultime for 2 weeks or more in the past 2 years and left that job involuntarily, that is, were laid off or retrenched from that job; left that job because of their own ill-health or injury; the job was seasonal or temporary and they did not leave that job to return to studies or their last job was running their own business and the business closed down because of financial difficulties.

Industry. Classified according to the Australian Standard Industrial Classification (ASIC), 1983 (1201.0 and 1202.0).

Labour force. For any group, persons who were employed or unemployed, as defined.

Labour force status. A classification of the civilian population aged 15 years and over into employed, unemployed or not in the labour force, as defined. The definitions conform closely to the international standard definitions adopted by the International Conferences of Labour Statisticians.

Marital status. Persons are classified as married (husband and wife) if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not married category comprises persons who have never married, or are separated, widowed or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household.

Median duration of unemployment. The duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other, persons whose duration is below it.

Not in the labour force. Persons who were not in the categories employed or unemployed, as defined. They include persons who were keeping house (unpaid), retired, voluntarily inactive, permanently unable to work, persons in institutions (hospitals, jails, sanatoriums, etc.), trainee teachers, members of contemplative religious orders and persons whose only activity during the reference week was jury service or unpaid voluntary work for a charitable organisation.

Occupation. Classified according to the Australian Standard Classification of Occupations (ASCO), 1986 (1222.0).

#### GLOSSARY - continued

Participation rate. For any group, the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group. Participation rates for persons classified by birthplace are calculated using population estimates which exclude those in institutions. Participation rates for persons classified by school or tertiary educational institution attendance are calculated using population estimates which include those in institutions.

Part-time workers. Employed persons who usually worked less than 35 hours a week and who did so during the reference week.

Seasonally adjusted series. A time series of estimates with the estimated effects of normal seasonal variation removed. See paragraph 24 of the Explanatory Notes for more detail.

Statistical regions. Classified according to the Australian Standard Geographical Classification (ASGC), Edition 2.1 (1216.0).

Status of worker. Employed persons classified by whether they were employers, self-employed persons, wage and salary earners (employees), or unpaid family helpers.

Trend series. A smoothed seasonally adjusted series of estimates. See paragraphs 25 and 26 of the Explanatory Notes for more detail.

*Unemployed*. Persons aged 15 years and over who were not employed during the reference week and:

(a) had actively looked for full-time or part-time work at any time in the 4 weeks up to the end of the reference week and:

- (i) were available for work in the reference week or would have been available except for temporary illness (i.e. lasting for less than 4 weeks to the end of the reference week);
- (ii) were waiting to start a new job within 4 weeks from the end of the reference week and would have started in the reference week if the job had been available then or
- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than 4 weeks up to the end of the reference week (including the whole of the reference week) for reasons others than bad weather or plant breakdown.

Unemployed persons classified by industry and occupation. Unemployed persons who had worked full-time for 2 weeks or more in the last 2 years are classified according to the industry and occupation of their most recent full-time job.

Unemployed looking for full-time work. Unemployed persons who actively looked for full-time work or were to resume a full-time job, from which they had been stood down.

Unemployed looking for part-time work. Unemployed persons who had actively looked for part-time work only or were to resume a part-time job, from which they had been stood down.

Unemployment rate. For any group, the number of unemployed persons expressed as a percentage of the labour force in the same group.

